

**SAMSUNG**

# TFT-LCD MONITOR

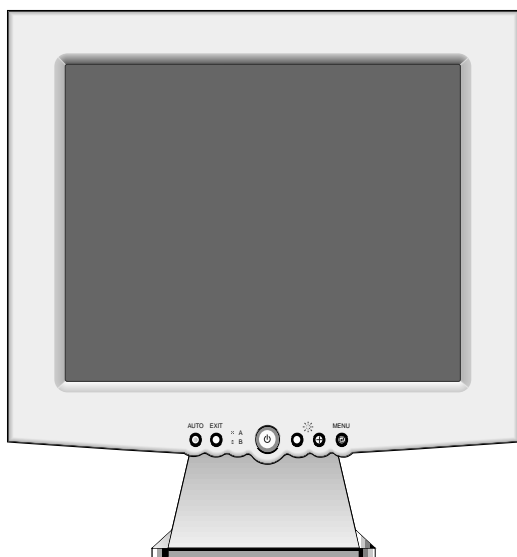
CN17A\*

CN17B\*

CN18A\*

## *SERVICE* Manual

### TFT-LCD MONITOR



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# 1 Precautions

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Follow these safety, servicing and ESD precautions to prevent damage and to protect against potential hazards such as electrical shock.

## 1-1 Safety Precautions

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### 1-1-1 Warnings

1. For continued safety, do not attempt to modify the circuit board.
2. Disconnect the AC power and DC power jack before servicing.

### 1-1-2 Servicing the LCD Monitor

1. When servicing the LCD Monitor, Disconnect the AC line cord from the AC outlet.
2. It is essential that service technicians have an accurate voltage meter available at all times. Check the calibration of this meter periodically.

### 1-1-3 Fire and Shock Hazard

Before returning the monitor to the user, perform the following safety checks:

1. Inspect each lead dress to make certain that the leads are not pinched or that hardware is not lodged between the chassis and other metal parts in the monitor.
2. Inspect all protective devices such as nonmetallic control knobs, insulating materials, cabinet backs, adjustment and compartment covers or shields, isolation resistor-capacitor networks, mechanical insulators, etc.
3. Leakage Current Hot Check (Figure 1-1): **WARNING: Do not use an isolation transformer during this test.** Use a leakage current tester or a metering system that complies with American National Standards Institute (*ANSI C101.1, Leakage Current for Appliances*), and Underwriters Laboratories (*UL Publication UL1410, 59.7*).

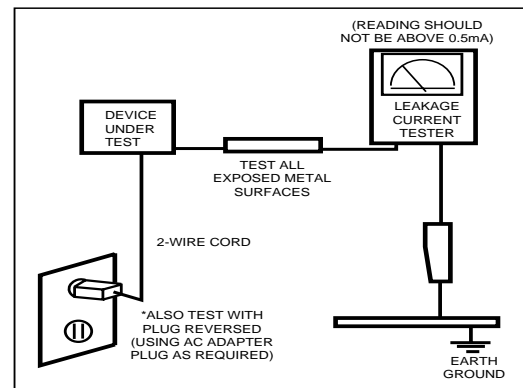


Figure 1-1. Leakage Current Test Circuit

4. With the unit completely reassembled, plug the AC line cord directly into a 120V AC outlet. With the unit's AC switch first in the ON position and then OFF, measure the current between a known earth ground (metal water pipe, conduit, etc.) and all exposed metal parts, including: metal cabinets, screwheads and control shafts. The current measured should not exceed 0.5 milliamp. Reverse the power-plug prongs in the AC outlet and repeat the test.

### 1-1-4 Product Safety Notices

Some electrical and mechanical parts have special safety-related characteristics which are often not evident from visual inspection. The protection they give may not be obtained by replacing them with components rated for higher voltage, wattage, etc. Parts that have special safety characteristics are identified by ⚠ on schematics and parts lists. A substitute replacement that does not have the same safety characteristics as the recommended replacement part might create shock, fire and / or other hazards. Product safety is under review continuously and new instructions are issued whenever appropriate.

## 1-2 Servicing Precautions

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**WARNING:** An electrolytic capacitor installed with the wrong polarity might explode.

**Caution:** Before servicing units covered by this service manual, read and follow the Safety Precautions section of this manual.

**Note:** If unforeseen circumstances create conflict between the following servicing precautions and any of the safety precautions, always follow the safety precautions.

### 1-2-1 General Servicing Precautions

1. Always unplug the unit's AC power cord from the AC power source and disconnect the DC Power Jack before attempting to:
  - (a) remove or reinstall any component or assembly,
  - (b) disconnect PCB plugs or connectors, (c) connect a test component in parallel with an electrolytic capacitor.
2. Some components are raised above the printed circuit board for safety. An insulation tube or tape is sometimes used. The internal wiring is sometimes clamped to prevent contact with thermally hot components. Reinstall all such elements to their original position.
3. After servicing, always check that the screws, components and wiring have been correctly reinstalled. Make sure that the area around the serviced part has not been damaged.
4. Check the insulation between the blades of the AC plug and accessible conductive parts (examples: metal panels, input terminals and earphone jacks).
5. Insulation Checking Procedure: Disconnect the power cord from the AC source and turn the power switch ON. Connect an insulation resistance meter (500 V) to the blades of the AC plug.  
The insulation resistance between each blade of the AC plug and accessible conductive parts (see above) should be greater than 1 megohm.
6. Always connect a test instrument's ground lead to the instrument chassis ground *before* connecting the positive lead; always remove the instrument's ground lead last.

## 1-3 Electrostatically Sensitive Devices (ESD) Precautions

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Some semiconductor (solid state) devices can be easily damaged by static electricity. Such components are commonly called Electrostatically Sensitive Devices (ESD). Examples of typical ESD devices are integrated circuits and some field-effect transistors. The following techniques will reduce the incidence of component damage caused by static electricity.

1. Immediately before handling any semiconductor components or assemblies, drain the electrostatic charge from your body by touching a known earth ground. Alternatively, wear a discharging wrist-strap device. To avoid a shock hazard, be sure to remove the wrist strap before applying power to the monitor.
2. After removing an ESD-equipped assembly, place it on a conductive surface such as aluminum foil to prevent accumulation of an electrostatic charge.
3. Do not use freon-propelled chemicals. These can generate electrical charges sufficient to damage ESDs.
4. Use only a grounded-tip soldering iron to solder or desolder ESDs.
5. Use only an anti-static solder removal device. Some solder removal devices not classified as "anti-static" can generate electrical charges sufficient to damage ESDs.
6. Do not remove a replacement ESD from its protective package until you are ready to install it. Most replacement ESDs are packaged with leads that are electrically shorted together by conductive foam, aluminum foil or other conductive materials.
7. Immediately before removing the protective material from the leads of a replacement ESD, touch the protective material to the chassis or circuit assembly into which the device will be installed.  
**Caution:** Be sure no power is applied to the chassis or circuit and observe all other safety precautions.
8. Minimize body motions when handling unpackaged replacement ESDs. Motions such as brushing clothes together, or lifting your foot from a carpeted floor can generate enough static electricity to damage an ESD.

## 2 Product Specifications

### 2-1 Specifications

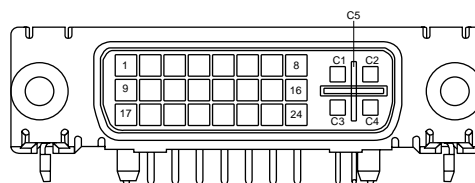
Item	Description	
	Analog	Digital
LCD Panel	TFT-LCD panel, RGB vertical stripe, normally black transmissive, 17-Inch viewable, 0.264 (H) x 0.264 (V) mm pixel pitch 18.1-Inch viewable, 0.2805 (H) x 0.2805 (V) mm pixel pitch	
Scanning Frequency	Horizontal : 30 kHz to 81 kHz (Automatic) Vertical : 56 Hz to 85 Hz (~XGA), 76 Hz (SXGA)	
Display Colors	16,7 Million colors	
Maximum Resolution	Horizontal : 1280 Pixels @ 81 kHz Vertical : 1024 Pixels @ 76 Hz	
Input Video Signal	Analog, 0.714 Vp-p $\pm$ 5% positive at 75 $\Omega$ , internally terminated	TMDS (CN17B* only)
Input Sync Signal	Type : Seperate H/V sync, Composite H/V, Sync-on-Green Level : TTL level (V high $\geq$ 2.0 V, V low $\leq$ 0.8 V), Sync-on-Green ( $\leq$ -0.25 V)	
Maximum Pixel Clock rate	135 MHz	
Active Display Horizontal/Vertical	17-Inch : 338 $\pm$ 3 mm/270 $\pm$ 3 mm 18.1-Inch : 359.04 $\pm$ 3 mm/287.23 $\pm$ 3 mm	
AC power voltage & Frequency	AC 90 to 264 Volts, 60/50 Hz $\pm$ 3 Hz	
Power Consumption	42 W (max), 40W (normal)	
Dimensions Unit (W x D x H) Carton (W x D x H)	17-Inch 17.32 x 7.16 x 18.19 Inches (440 x 182 x 462 mm) 20.62 x 20.54 x 9.28 Inches (524 x 522 x 236 mm)	18.1-Inch 18.14 x 7.16 x 18.30 Inches (461 x 182 x 465 mm) 21.45 x 21.02 x 9.28 Inches (545 x 534 x 236 mm)
Weight (Net/Gross)	7.9 kg (17.41 lbs) / 10.3 kg ( 22.70 lbs)	8.3 kg (18.29 lbs) / 11.8 kg ( 26.01 lbs)
Environmental Considerations	Operating Temperature : 50°F to 104°F (10°C to 35°C) Humidity : 10 % to 80 % Storage Temperature : -68°F to 113°F (-20°C to 45°C) Humidity : 5 % to 95 %	
<ul style="list-style-type: none"><li>• CN17A*/CN17B*/CN18A* comply with SWEDAC (MPRII) recommendations for reduced electromagnetic fields.</li><li>• Designs and specifications are subject to change without prior notice.</li></ul>		

## 2-2 Pin Assignments

Pin No.	Sync Type	15-Pin D-Sub Signal Cable Connector		
		Separate	Composite	Sync-on-green
1		Red	Red	Red
2		Green	Green	Green + H/V Sync.
3		Blue	Blue	Blue
4		GND	GND	GND
5		DDC Return (GND)	DDC Return (GND)	DDC Return (GND)
6		GND-R	GND-R	GND-R
7		GND-G	GND-G	GND-G
8		GND-B	GND-B	GND-B
9		DDC Power Input (+5V)	DDC Power Input (+5V)	DDC Power Input (+5V)
10		Self Raster	Self Raster	Self Raster
11		GND	GND	GND
12		Bi-Dr Data (SDA)	Bi-Dr Data (SDA)	Bi-Dr Data (SDA)
13		H-Sync.	H/V-Sync.	Not Used
14		V-Sync.	Not Used	Not Used
15		DDC Clock (SCL)	DDC Clock (SCL)	DDC Clock (SCL)

Pin No.	Sync Type	30-Pin DVI-I Connector		
1		Rx2-	16	Connection Signal Output (+5V)
2		Rx2+	17	Rx0-
3		GND	18	Rx0+
4		No Connection	19	GND
5		No Connection	20	No Connection
6		DDC Clock (SCL)	21	No Connection
7		DDC Data (SDA)	22	GND
8		Analog Vertical Sync.	23	RxC+
9		Rx1-	24	RxC-
10		Rx1+	25 (C3)	Analog Blue
11		GND	26 (C5)	Analog Ground
12		No Connection	27 (C4)	Analog Horizontal Sync.
13		No Connection	28 (C2)	Analog Green
14		DDC Power Input (+5V)	29 (C5)	Analog Ground
15		Self Raster	30 (C1)	Analog Red

Figure 2-1 DVI-I Connector

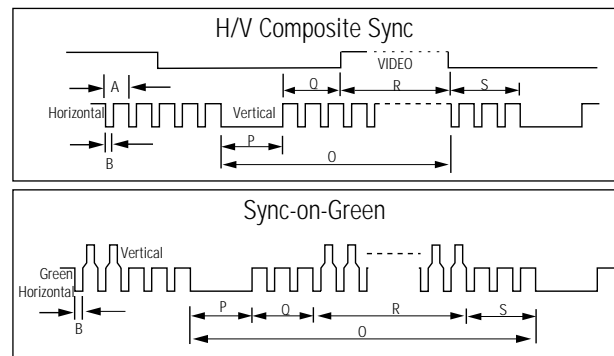
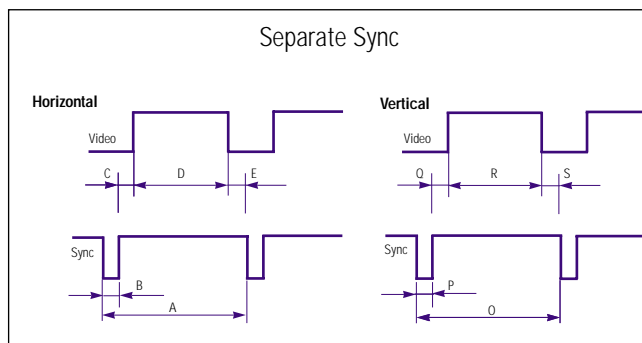


## 2-3 Timing Chart

This section of the service manual describes the timing that the computer industry recognizes as standard for computer-generated video signals.

Table 2-1. Timing Chart

Mode  Timing	IBM		VESA								
	VGA2/ 70 Hz 720 x 400	VGA3/ 60 Hz 640 x 480	640/75 Hz 640 x 480	640/85 Hz 640 x 480	800/75 Hz 800 x 600	800/85 Hz 800 x 600	1024/60Hz 1024 x 768	1024/75Hz 1024 x 768	1024/85Hz 1024x768	1280/76Hz 1280x1024 (Analog Only)	1280/75Hz 1280x1024 (Analog Only)
fH (kHz)	31.469	31.469	37.500	43.269	46.875	53.674	48.363	60.023	68.677	81.129	79.976
A $\mu$ sec	31.777	31.778	26.667	23.111	21.333	18.631	20.677	16.660	14.561	16.640	12.504
B $\mu$ sec	3.813	3.813	2.032	1.556	1.616	1.138	2.092	1.219	1.016	6.400	1.067
C $\mu$ sec	1.589	1.589	3.810	2.222	3.232	2.702	2.462	2.235	2.201	2.880	1.837
D $\mu$ sec	26.058	26.058	20.317	17.778	16.162	14.222	15.754	13.003	10.836		9.481
E $\mu$ sec	0.318	0.318	0.508	1.556	0.323	0.569	0.369	0.203	0.508	3.200	0.119
fV (Hz)	70.087	59.940	75.000	85.008	75.000	85.061	60.004	75.029	84.997	76.106	75.025
O msec	14.268	16.683	13.333	11.764	13.333	11.756	16.666	13.328	11.765	10.660	13.329
P msec	0.064	0.064	0.080	0.671	0.064	0.056	0.124	0.050	0.044	0.080	0.038
Q msec	0.858	0.794	0.427	0.578	0.448	0.503	0.600	0.466	0.524	3.200	0.475
R msec	13.155	15.761	12.800	11.093	12.800	11.179	15.880	12.795	11.183		12.804
S msec	0.191	0.064	0.027	0.023	0.021	0.019	0.062	0.017	0.015	0.020	0.013
Clock Freq. (MHz)	28.322	25.175	31.500	49.500	49.500	56.250	75.000	78.750	94.500	135.000	135.000
Polarity H.Sync	Negative	Negative	Negative	Negative	Positive	Positive	Negative	Positive	Positive	Negative	Positive
V.Sync	Positive	Negative	Negative	Negative	Positive	Positive	Negative	Positive	Positive	Negative	Positive
Remark	Separate	Separate	Separate	Separate	Separate	Separate	Separate	Separate	Separate	Com.	Separate



A : Line time total	B : Horizontal sync width	O : Frame time total	P : Vertical sync width
C : Back porch	D : Active time	Q : Back porch	R : Active time
E : Front porch		S : Front porch	

Memo

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## 3 Disassembly and Reassembly

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This section of the service manual describes the disassembly and reassembly procedures for the CN17A\*/CN17B\*/CN18A\* TFT-LCD monitors.

**WARNING:** This monitor contains electrostatically sensitive devices. Use caution when handling these components.

### 3-1 Disassembly (CN17A\* / CN17B\*)

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- Cautions:**
1. Disconnect the monitor from the power source before disassembly.
  2. Follow these directions carefully; never use metal instruments to pry apart the cabinet.

#### 3-1-1 Removing the Stand

1. With a pad beneath it, stand the monitor on its front with the screen facing downward and the base close to you. Make sure nothing will damage the screen.
2. Remove the 4 screws on the Stand.

**Caution:** Be careful. The signal cable and power cable are still attached to the monitor.

3. Disconnect the Signal Cable and Power Cord.

#### 3-1-2 Main Body Disassembly

1. Remove 2 screws on the Rear Cover.
2. Pull the Rear Cover up and off the monitor.
3. Remove 15 screws on the PCB Shield and remove the Shield.
4. Remove 4 screws on the Main PCB and 2 screws on the Inverter PCB and 2 screws on the 10P Harness.

5. Disconnect the interface wire (30P) between the Panel and the CN301 connector on the Main PCB.
6. Disconnect the Function PCB wire (10P) between the Function PCB and the CN303 connector on the Main PCB.
7. Disconnect 4 Inverter wires between the Panel and the CN2, 3, 4, 5 connectors on the Inverter PCB and disconnect the 12P harness between CN1 connector on the inverter and CN302 connector on the Main PCB.
8. Carefully lift the Main PCB Assembly and Inverter PCB and place them on a flat, level surface that is protected from static electricity.
9. Remove 4 screws on the PCB Bracket.
10. Remove the Bracket Assembly from the Front Cover.
11. Remove the 3 screws on the Function PCB from the Front Cover and remove the Function PCB and Function Knob.
12. Remove 4 screws on the Front Shield and remove the PCB Bracket and the Front Shield.



## 3-2 Disassembly (CN18A\*)

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### 3-2-1 Removing the Stand

1. Remove 4 screws on the Stand.

### 3-2-2 Main Body Disassembly

1. Remove 4 screws on the Rear Cover.
2. Pull the Rear Cover up and off the monitor.
3. Remove 20 screws on the PCB Shield and remove the Shield.
4. Remove 4 screws on the Main PCB and 2 screws on the Inverter PCB and 2 screws on the 10P Harness.
5. Disconnect the connector (31P) between the Panel and the CN305 connector on the Main PCB.
6. Disconnect the Function PCB wire (10P) between the Function PCB and the CN303 connector on the Main PCB.
7. Disconnect 2 Inverter wires between the Panel and the CN2, CN3 connectors on the Inverter PCB.
8. Disconnect the 12P harness between CN1 connectors on the Inverter PCB and CN302 connector on the Main PCB.
9. Carefully lift the Main PCB Assembly and Inverter PCB and place them on a flat, level surface that is protected from static electricity.
10. Remove 8 screws on the PCB Bracket.
11. Remove the Bracket Assembly from the Front Cover.
12. Remove the 2 screws on the Function PCB from the Front Cover and remove the Function PCB and Function Knob.

## 3-3 Reassembly

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Reassembly procedures are in the reverse order of Disassembly procedures.

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## 4 Alignments and Adjustments

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This section of the service manual explains how to use the DDC JIG to adjust the black, red, green, and blue levels of the FPD when you replace the AD Board, and how to update the microprocessor when you change the Panel or Lamp(s).

### 4-1 Required Equipment

The following equipment is necessary for adjusting the monitor:

- Oscilloscope with probe tool
- Computer with Windows 95®, Windows 98®, or Windows NT®.
- DV17AS.exe software
- DDC Control JIG

### 4-2 Using the DDC Control JIG

After replacing the LCD Panel, Lamp(s), and / or AD Board, use the DDC Control JIG to complete your service. Attach the DDC Control JIG to the flat panel display (FPD) as shown in the diagrams, below.

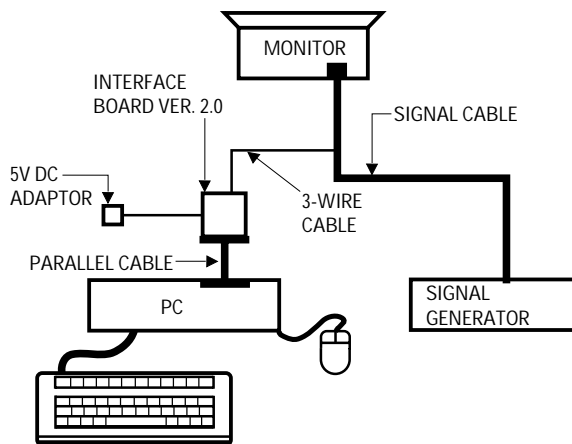


Figure 4-1. Setup 1, With Signal Generator

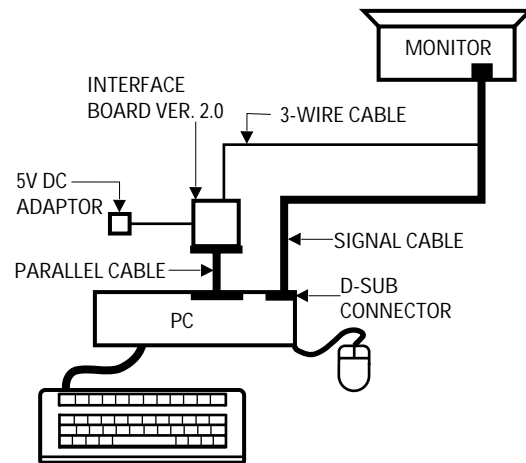


Figure 4-2. Setup 2, Without Signal Generator

## 4-2-1 Main Menu

4-2-1 (a) Service JIG : DV17

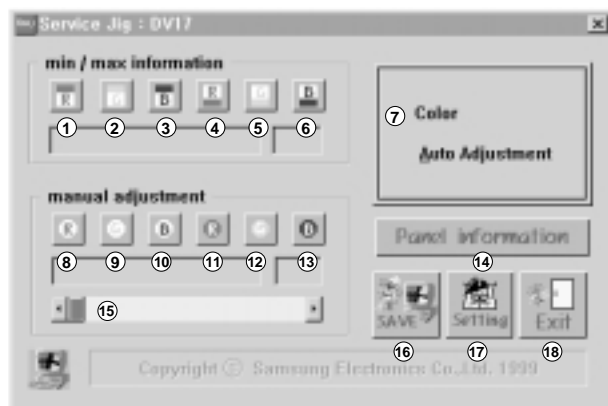


Figure 4-3. Service JIG Menu

No	Label	Definition
①	Red max value	Shows the red video signal max value
②	Green max value	Shows the green video signal max value
③	Blue max value	Shows the blue video signal max value
④	Red min value	Shows the red video signal min value
⑤	Green min value	Shows the green video signal min value
⑥	Blue min value	Shows the blue video signal min value
⑦	Color Auto Adjustment	Automatical screen contrast setting
⑧	Red gain control	Adjusts the red video signal gain control
⑨	Green gain control	Adjusts the green video signal gain control
⑩	Blue gain control	Adjusts the blue video signal gain control
⑪	Red cutoff control	Adjusts the red video signal cutoff control
⑫	Green cutoff control	Adjusts the green video signal cutoff control
⑬	Blue cutoff control	Adjusts the blue video signal cutoff control
⑭	Panel information	Shows the sub menu to panel information (4-2-2 (a))
⑮	Scroll bar	Changes the value or level of the selected item. The window to the right shows the value as it changes.
⑯	SAVE	Saves the current adjustment value of the R,G,B video contrast gain and cutoff level
⑰	Setting	Displays and allows you to adjust the PC and Control JIG communication environment. Use this button to change the Delay parameter and Port Address of your PC system and to test the connection between the Control JIG and your computer
⑱	Exit	Quits the DDC Control JIG

## 4-2-2 Sub Menu

4-2-2 (a) Panel Information

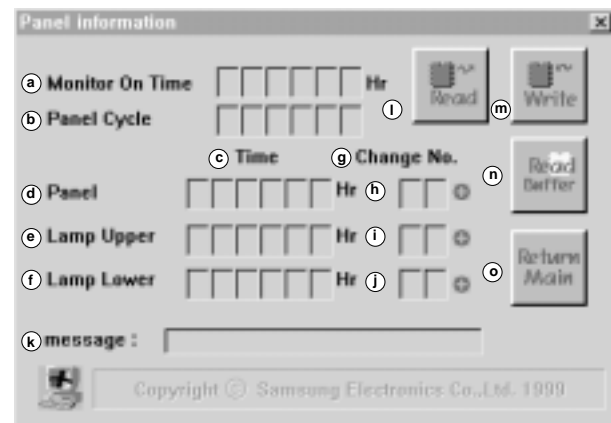


Figure 4-4. Control JIG Menu

No	Label	Definition
a	Monitor On Time	Total hours that the monitor has been actively functioning.
b	Panel Cycle	The total number of times the Panel has been turned ON.
c	Time	Total in Hours that this Panel or Lamp has been ON. Reset this number to 000000 after replacing the part.
d	Panel	Total number of hours that this Panel has been ON.
e	Lamp, Upper	Total number of hours that this Upper Lamp has been ON.
f	Lamp, Lower	Total number of hours that this Lower Lamp has been ON.
g	Change No.	The number of times this Panel or Lamp has been replaced. The numbers are 00 if the item is the original factory part installed during manufacture of this monitor.
h	Panel	Replacement times. This value is 00 if original equipment.
i	Lamp, Upper	Replacement times. This value is 00 if original equipment.
j	Lamp, Lower	Replacement times. This value is 00 if original equipment.
k	Message	Shows the message.
l	Read	Reads all Panel information data from the AD Board
m	Write	Writes the Panel Parameter Control values to the AD Board
n	Read buffer	Reload the Panel Parameter Control values from the Program buffer
o	Return Main	Returns to the Main menu

### 4-2-3 Adjustment Procedures

Use the following procedures whenever you replace the AD Board, Panel, or one or both of the Lamps.

#### 4-2-3 (a) When Replacing the AD Board

1. Before replacing the AD Board, read all Panel information data by using the Read button on the DDC Control JIG.
2. Remove the old AD Board and replace it with a new board.
3. Perform the procedures described in section 4-2-3 (b).
4. Write the Panel information data to the new AD Board by using the Write button.
5. Perform other procedures using the DDC Control JIG, if necessary.
6. When all procedures are complete, select the Exit button (ⓔ) to quit the DDC Control JIG software.

#### 4-2-3 (b) Color Auto Adjustment

1. After displaying 16-Gray pattern or black and white mixed pattern, click "Color Auto Adjustment" button.
2. During normal execution of Auto Algorithm the screen image may flicker. If Auto Algorithm does not execute properly, check DDC Control JIG.
3. After normal execution of Auto Algorithm, confirm optimal settings by observing the contrast of several different patterns on the display.
4. If you want to check each color value, click the button from ① to ⑥ and from ⑧ to ⑬

#### 4-2-3 (c) When Replacing the Panel

1. Select the Read Buffer button (ⓓ) to gather the current information about this monitor.
2. Increment the number by clicking on the (+) button on the Panel row in the Change No. column. If they were not already 00, the numbers for the Upper and Lower Lamps will automatically change to 00.
3. Check all values. If there is an error, select Read Buffer again and increment the Change No. column to the correct number. When all values are correct, select the Write button (Ⓜ) to record the data in the firmware.
4. Select the Return Menu button (Ⓢ) to Return Main Menu.

#### 4-2-3 (d) When Replacing the Upper and/or Lower Lamp

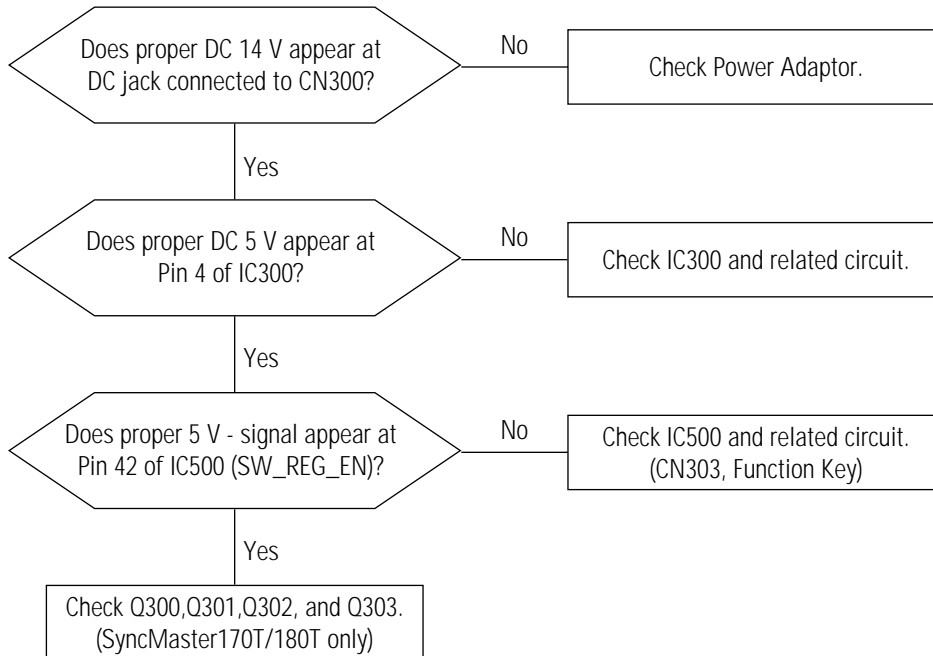
1. Select the Read Buffer button (ⓓ) to gather current information about this monitor.
2. Increment the number by clicking on the (+) button on the Lamp Upper and/or Lamp Lower row in the Change No. column.
3. Check all values. If there is an error, select Read Buffer again and increment the Change No. column to the correct number(s). When all values are correct, select the Write button (Ⓜ) to record the data in the firmware.
4. Select the Return Menu button (Ⓢ) to Return Main Menu.

## Memo

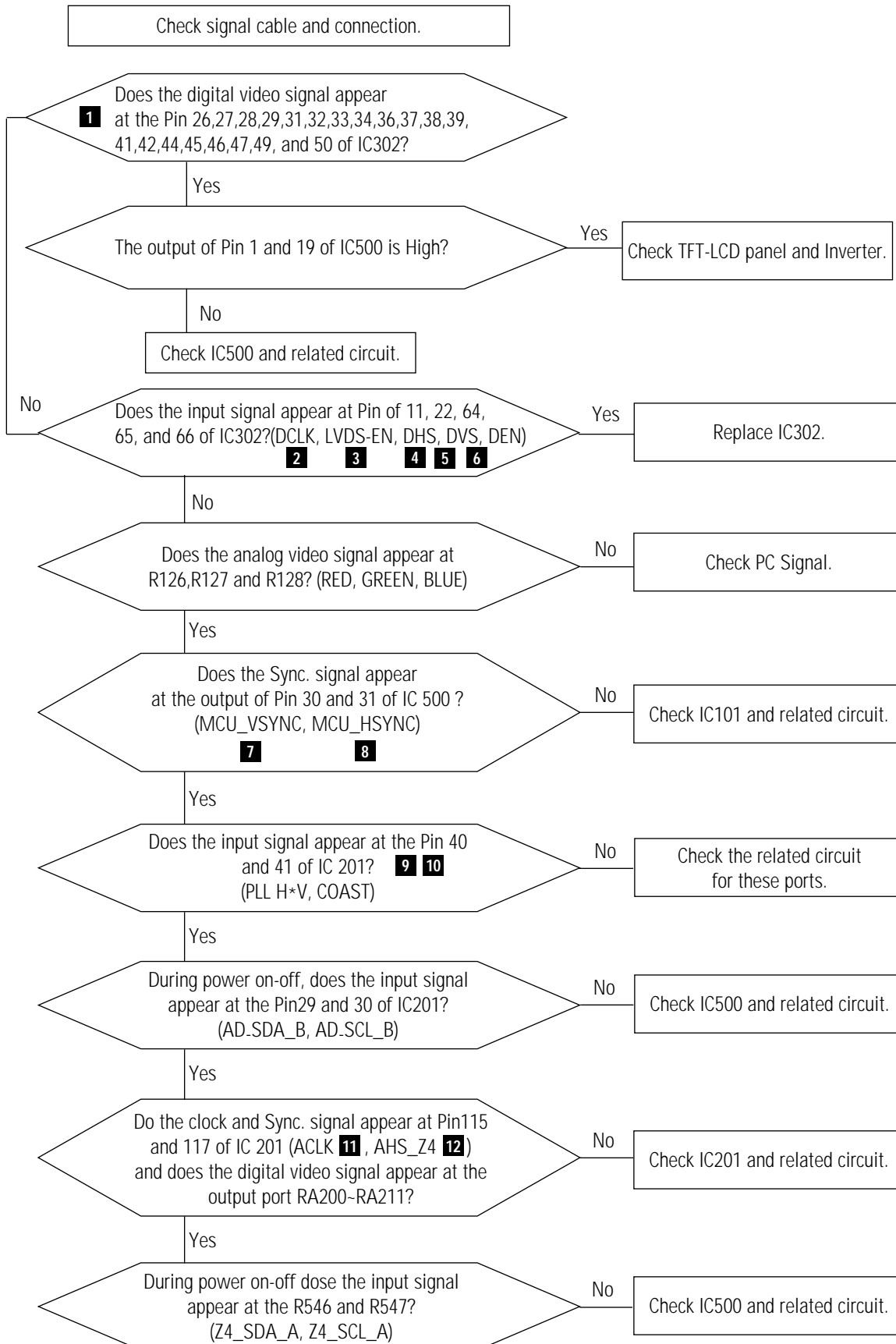
## 5 Troubleshooting

- Notes:**
- Before troubleshooting, setup the PC's display as below.
    - Resolution: 1280 x 1024
    - H-frequency: 64 kHz
    - V-frequency: 60 Hz
  - If no picture appears, make sure the power cord is correctly connected.
  - Check the following circuits.
    - No raster appears: Stand PCB, Main PCB
    - 14V develop but no screen: Main PCB
    - 14V does not develop: Main PCB
  - If you push and hold the EXIT button for more than 5 seconds, the monitor automatically turns back to the factory preset.

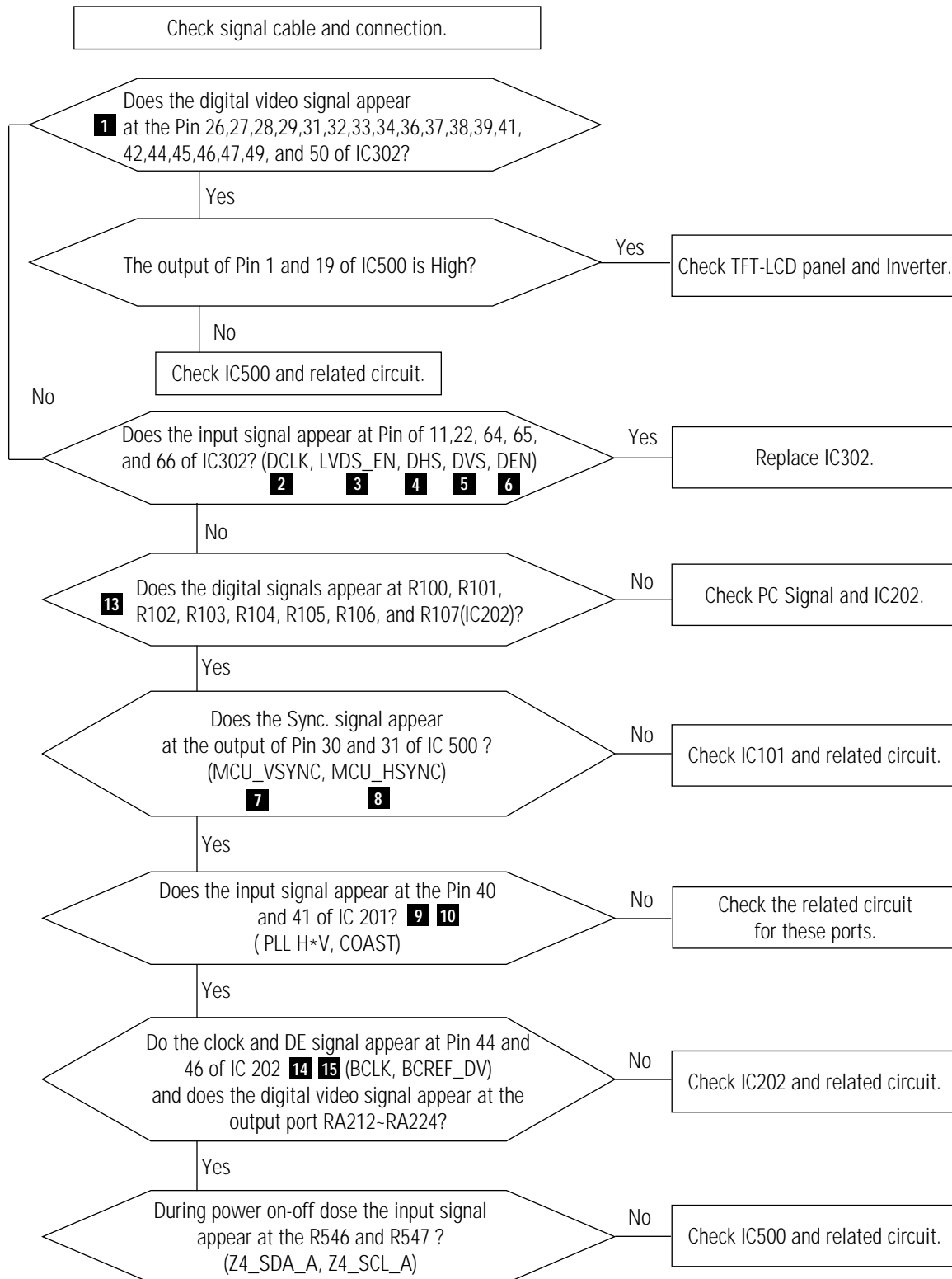
### 5-1 No Power



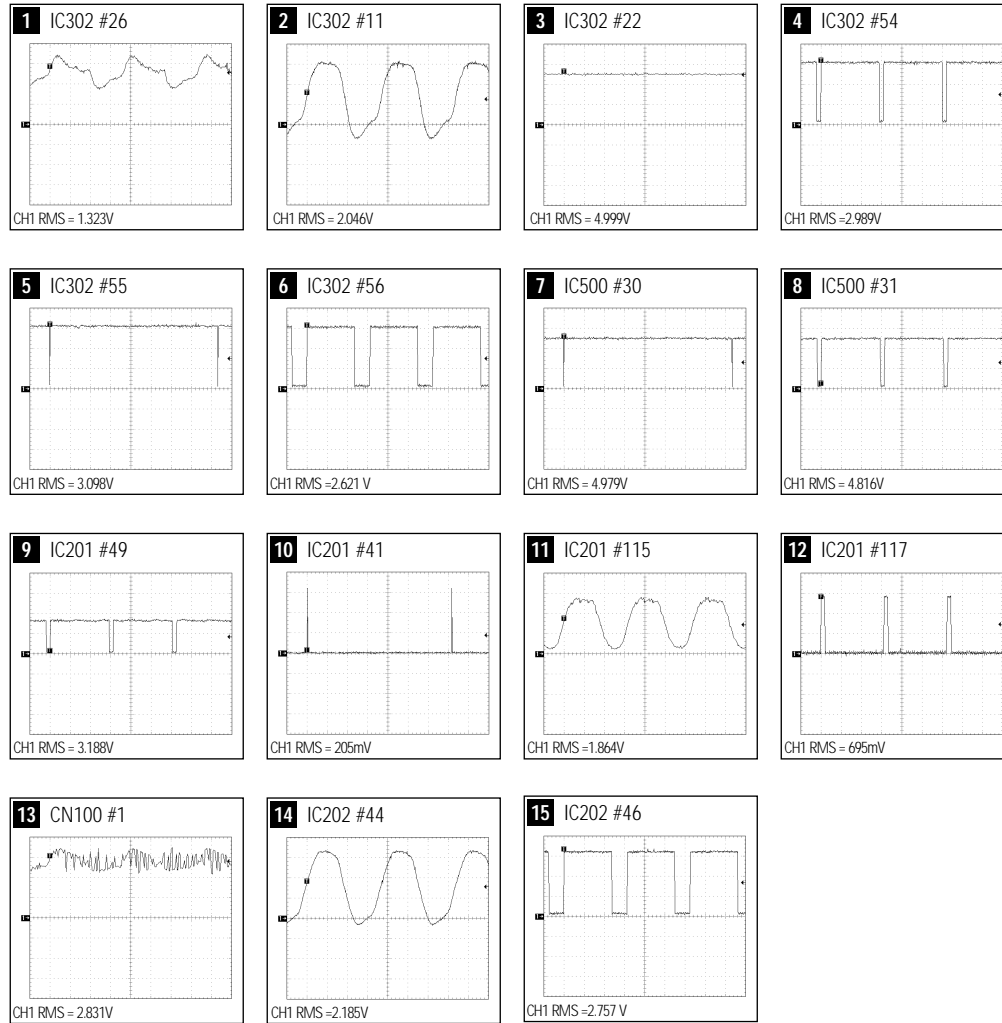
## 5-2 No Video [Analog]



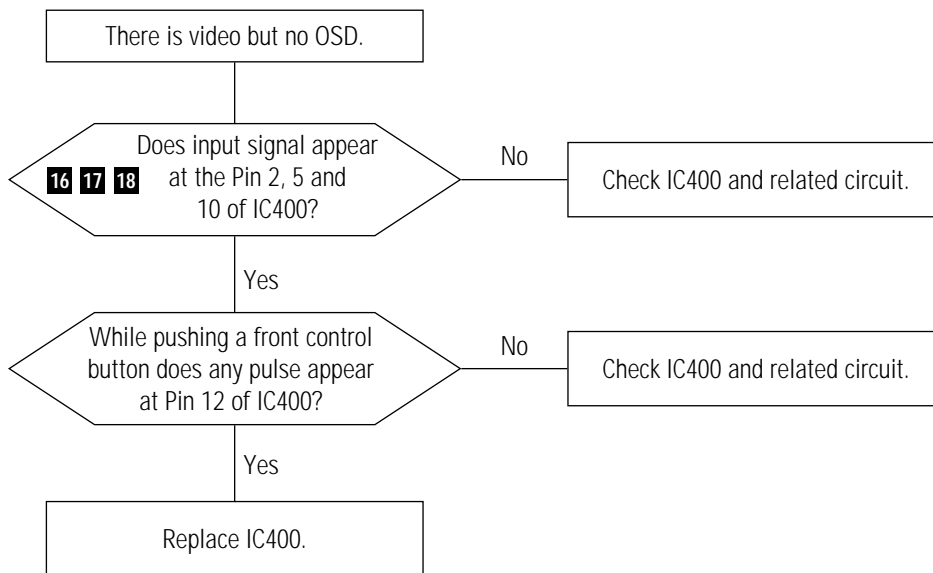
## 5-2-1 No Video [Digital]



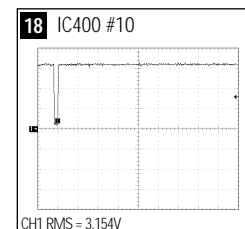
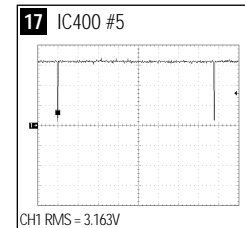
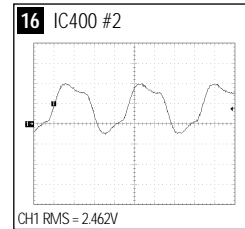


**WAVEFORMS**

## 5-3 No OSD



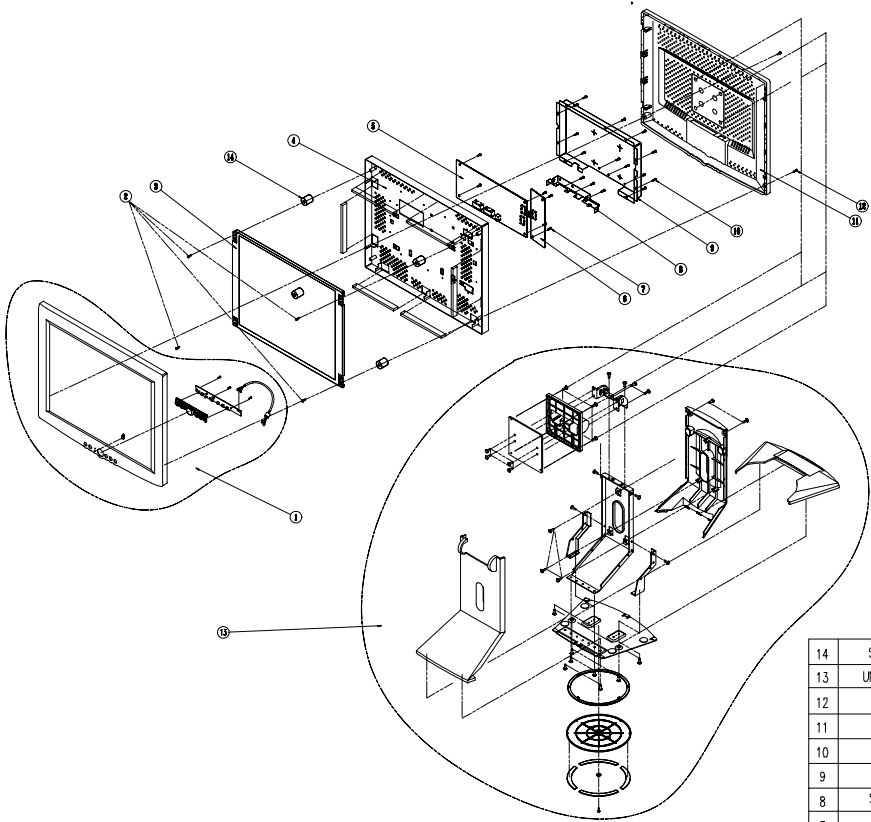
## WAVEFORMS



## Memo

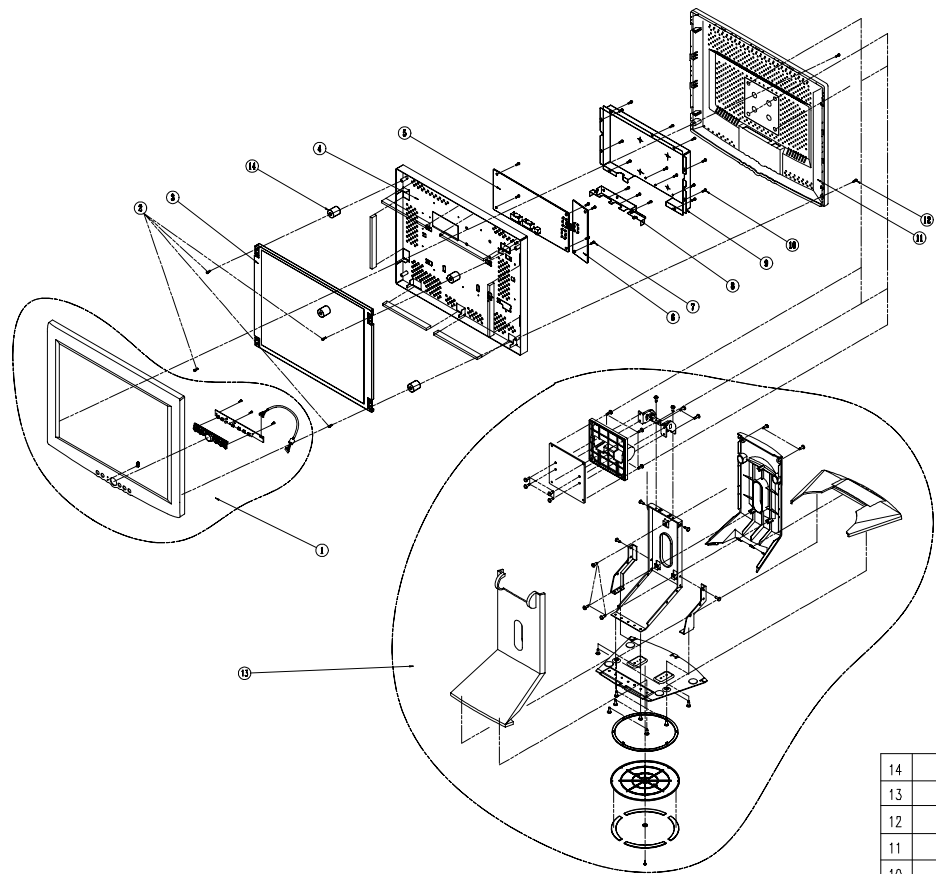
6 Exploded View and Parts List

6-1 CN17B\*



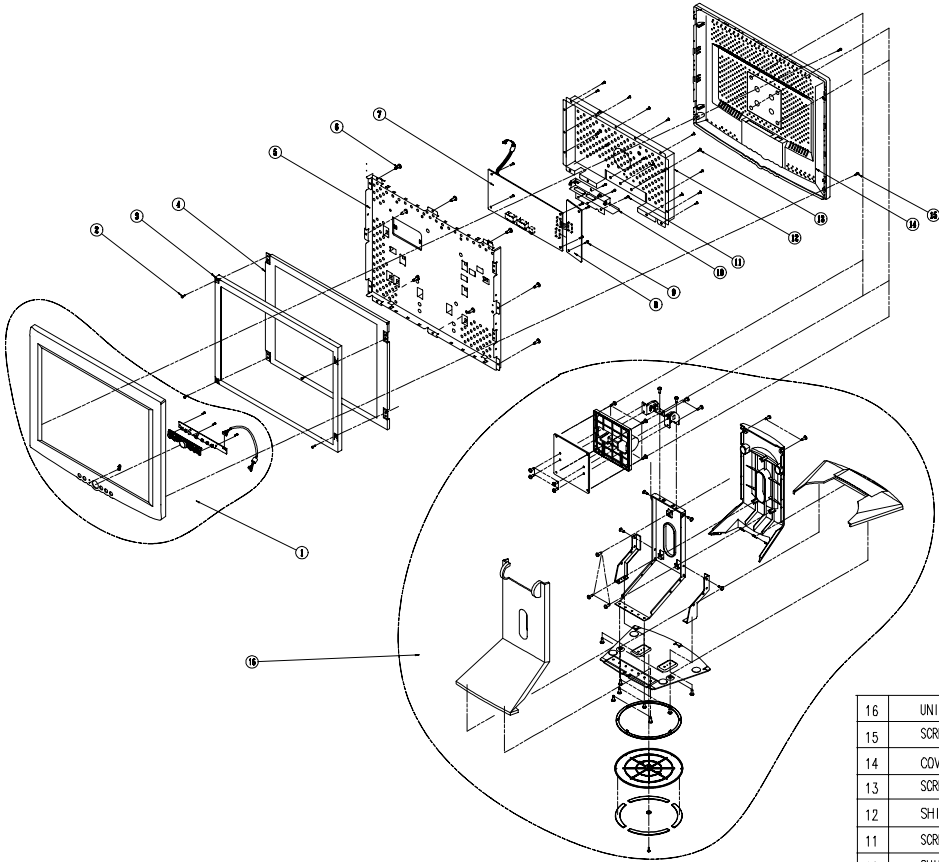
14	STUD BUSHING	BN61-00001A	BSBM $\varnothing$ 9.5	4	
13	UNIT/STAND-ASSY	BN75-00018A	ABS HB 1V16	1	SA
12	SCREW	6003-000122	TAPTITE BH+ 4*12	2	SNA
11	COVER REAR	BN72-00056A	ABS HB 1V16	1	SA
10	SCREW	6003-000008		19	SNA
9	BRKT MAIN PCB	BN70-00060A	SECC T1.0		SNA
8	SHIELD D-SUB	BN70-00114B	SPTIE T0.5	1	SNA
7	SCREW	6003-000117	TAPTITE BH+ 3*6	9	SNA
6	INVERTER PCB	BN44-00038A	4LAMP, INVERTER	1	SA
5	MAIN PCB	BN41-00045A	MAIN	1	SA
4	UNIT BRKT PANEL	BN75-00117A	SECC T1.0	1	SA
3	TFT-LCD E4 PANEL (17.0")	BN07-00018A	E4 PANEL	1	SNA
2	SCREW	6003-000122		4	SNA
1	UNIT/COVER-FRONT	BN75-00037H	ABS+PC 5V 1V16	1	SA
NO	DESCRIPTION	PART CODE-NO	SPECIFICATION	Q'TY	REMARK
UNIT PART LIST					

6-2 CN17A\*



14	STUD BUSHING	BN61-00001A	BSBM $\varnothing 9.5$	4	
13	UNIT/STAND-ASSY	BN75-00018A	ABS HB 1V16	1	SA
12	SCREW	6003-000122	TAPTITE BH+ 4*12	2	SNA
11	COVER REAR	BN72-00056A	ABS HB 1V16	1	SA
10	SCREW	6003-000008		19	SNA
9	BRKT MAIN PCB	BN70-00060A	SECC T1.0		SNA
8	SHIELD D-SUB	BN70-00114B	SPTC T0.5	1	SNA
7	SCREW	6003-000117	TAPTITE BH+ 3*6	9	SNA
6	INVERTER PCB	BN44-00038A	4LAMP, INVERTER	1	SA
5	MAIN PCB	BN41-00045A	MAIN	1	SA
4	UNIT BRKT PANEL	BN75-00117A	SECC T1.0	1	SA
3	TFT-LCD E4 PANEL (17.0")	BN07-00018A	E4 PANEL	1	SNA
2	SCREW	6003-000122		4	SNA
1	UNIT/COVER-FRONT	BN75-00037H	ABS+PC 5V 1V16	1	SA
NO	DESCRIPTION	PART CODE-NO	SPECIFICATION	Q'TY	REMARK
UNIT PART LIST					

6-3 CN18A\*



16	UNIT/STAND-ASSY	BN75-00018A	ABS HB 1V16	1 EA	SA
15	SCREW-TAPTITE	6003-000122	BH,+,M4,L10	4 EA	SNA
14	COVER-REAR	BN72-00151A	ABS+PC 5V 1V16	1 EA	SA
13	SCREW-TAPTITE	6003-000113	BH,+,M3,L4	20 EA	SNA
12	SHIELD-PCB	BN70-10015C	SPTIE T0.5	1 EA	SNA
11	SCREW-TAPTITE	6003-000259	BH,+,M3,L8	3 EA	SNA
10	SHIELD-D/SUB	BN70-00114C	SPTIE T0.5	1 EA	SA
9	SCREW-TAPTITE	6003-000259	BH,+,M3,L8	6 EA	SNA
8	INVERTER PCB	BN44-00029A	INVERTER	1 EA	SA
7	PBA	BN41-00056A	MAIN PCB	1 EA	SNA
6	SCREW-TAPTITE	6003-000103	BH,+,M3,L10	8 EA	SNA
5	BRKT-PANEL	BN70-10014C	SECC T1.2	1 EA	SNA
4	PANEL	BN07-00019A	E3 PANEL	1 EA	SA
3	SHIELD FRONT	BN70-10016A	SPTIE T0.5	1 EA	SNA
2	SCREW-TAPTITE	6003-000103	BH,+,M3,L10	4 EA	SNA
1	UNIT/COVER-FRONT	BN75-00108A	ABS+PC 5V 1V16	1	SA
NO	DESCRIPTION	PART CODE-NO	SPECIFICATION	Q'TY	REMARK
UNIT PART LIST					

Memo

## 7 Electrical Parts List

### 7-1 Main PCB Parts (CN17B\*)

Loc. No.	Code No.	Description	Specification	Remarks
C306	2409-001004	C-ORGANIC	"100uF,20%,16V,LL,BK,8x10.5mm,3"	
CIS	BN70-00114B	SHIELD-D/SUB	"ML17NS,SPTE,-,0.5,-,-,-"	SNA
CIS	BN46-00007C	"MICOM-S/W,CN17(DUAL)"	"CN17(DUAL),-, -, -, -, -, -"	SNA
CN100	3701-001221	CONNECTOR-DSUB	"24P+4P,3R,FEMALE,ANGLE,AUF"	
CN101	3701-001219	CONNECTOR-DSUB	"15P,3R,FEMALE,ANGLE,AUF"	
CN300	3722-000117	JACK-DC POWER	"3P,3.5mm,AG,BLK,NO"	SNA
CN304	3711-000056	CONNECTOR-HEADER	"BOX,2P,1R,2.5mm,ANGLE,SN"	SNA
CN500	3711-001465	CONNECTOR-HEADER	"NOWALL,3P,1R,2.54mm,STRAIGHT,A"	SNA
IC500	0903-001194	IC-MICROCONTROLLER	"3P863,88Bt,SDIP,42P,600MIL,12MHz,ST,CMOS,PLASTIC,5V,-,40ns+85C,1040BYTE,48KBYTE"	SNA
IC500 SOCK	3704-001071	SOCKET-IC	"42P,DIP,SN,1.778mm"	
C100	2203-000257	"C-CERAMIC,CHIP"	"10nF,10%,50V,X7R,TP,1608"	
C101	2402-000176	"C-AL,SMD"	"10uF,20%,16V,GP,TP,4.3x4.3x5.4"	
C102	2203-005005	"C-CERAMIC,CHIP"	"100nF,10%,16V,X7R,TP,1608"	
C103	2203-005005	"C-CERAMIC,CHIP"	"100nF,10%,16V,X7R,TP,1608"	
C104	2203-005005	"C-CERAMIC,CHIP"	"100nF,10%,16V,X7R,TP,1608"	
C105	2402-000176	"C-AL,SMD"	"10uF,20%,16V,GP,TP,4.3x4.3x5.4"	
C106	2203-005005	"C-CERAMIC,CHIP"	"100nF,10%,16V,X7R,TP,1608"	
C107	2203-005005	"C-CERAMIC,CHIP"	"100nF,10%,16V,X7R,TP,1608"	
C108	2203-005005	"C-CERAMIC,CHIP"	"100nF,10%,16V,X7R,TP,1608"	
C109	2203-005005	"C-CERAMIC,CHIP"	"100nF,10%,16V,X7R,TP,1608"	
C110	2402-000176	"C-AL,SMD"	"10uF,20%,16V,GP,TP,4.3x4.3x5.4"	
C111	2203-000257	"C-CERAMIC,CHIP"	"10nF,10%,50V,X7R,TP,1608"	
C112	2203-000257	"C-CERAMIC,CHIP"	"10nF,10%,50V,X7R,TP,1608"	
C113	2402-000176	"C-AL,SMD"	"10uF,20%,16V,GP,TP,4.3x4.3x5.4"	
C114	2203-000257	"C-CERAMIC,CHIP"	"10nF,10%,50V,X7R,TP,1608"	
C115	2402-000176	"C-AL,SMD"	"10uF,20%,16V,GP,TP,4.3x4.3x5.4"	
C116	2203-000257	"C-CERAMIC,CHIP"	"10nF,10%,50V,X7R,TP,1608"	
C117	2402-000176	"C-AL,SMD"	"10uF,20%,16V,GP,TP,4.3x4.3x5.4"	
C118	2203-000257	"C-CERAMIC,CHIP"	"10nF,10%,50V,X7R,TP,1608"	
C119	2402-000176	"C-AL,SMD"	"10uF,20%,16V,GP,TP,4.3x4.3x5.4"	
C120	2203-000257	"C-CERAMIC,CHIP"	"10nF,10%,50V,X7R,TP,1608"	
C121	2402-000176	"C-AL,SMD"	"10uF,20%,16V,GP,TP,4.3x4.3x5.4"	
C122	2203-000257	"C-CERAMIC,CHIP"	"10nF,10%,50V,X7R,TP,1608"	
C123	2402-000176	"C-AL,SMD"	"10uF,20%,16V,GP,TP,4.3x4.3x5.4"	
C124	2203-005005	"C-CERAMIC,CHIP"	"100nF,10%,16V,X7R,TP,1608"	
C125	2203-005005	"C-CERAMIC,CHIP"	"100nF,10%,16V,X7R,TP,1608"	
C126	2203-000257	"C-CERAMIC,CHIP"	"10nF,10%,50V,X7R,TP,1608"	
C127	2402-000176	"C-AL,SMD"	"10uF,20%,16V,GP,TP,4.3x4.3x5.4"	
C128	2402-000176	"C-AL,SMD"	"10uF,20%,16V,GP,TP,4.3x4.3x5.4"	
C200	2203-005005	"C-CERAMIC,CHIP"	"100nF,10%,16V,X7R,TP,1608"	
C201	2203-005005	"C-CERAMIC,CHIP"	"100nF,10%,16V,X7R,TP,1608"	
C202	2203-005005	"C-CERAMIC,CHIP"	"100nF,10%,16V,X7R,TP,1608"	
C203	2203-005005	"C-CERAMIC,CHIP"	"100nF,10%,16V,X7R,TP,1608"	
C204	2404-000120	"C-TA,CHIP"	"10uF,20%,10V,-,TP,3528,-"	
C205	2404-000120	"C-TA,CHIP"	"10uF,20%,10V,-,TP,3528,-"	
C206	2203-005005	"C-CERAMIC,CHIP"	"100nF,10%,16V,X7R,TP,1608"	
C207	2203-005005	"C-CERAMIC,CHIP"	"100nF,10%,16V,X7R,TP,1608"	
C208	2203-005005	"C-CERAMIC,CHIP"	"100nF,10%,16V,X7R,TP,1608"	
C209	2203-005005	"C-CERAMIC,CHIP"	"100nF,10%,16V,X7R,TP,1608"	
C210	2203-005005	"C-CERAMIC,CHIP"	"100nF,10%,16V,X7R,TP,1608"	
C211	2203-000384	"C-CERAMIC,CHIP"	"0.015nF,5%,50V,NP0,TP,1608"	



## 7 Electrical Parts List

Loc. No.	Code No.	Description	Specification	Remarks
C212	2203-000384	"C-CERAMIC,CHIP"	"0.015nF,5%,50V,NP0,TP,1608"	
C213	2203-000384	"C-CERAMIC,CHIP"	"0.015nF,5%,50V,NP0,TP,1608"	
C214	2203-000384	"C-CERAMIC,CHIP"	"0.015nF,5%,50V,NP0,TP,1608"	
C215	2203-005005	"C-CERAMIC,CHIP"	"100nF,10%,16V,X7R,TP,1608"	
C216	2404-000120	"C-TA,CHIP"	"10uF,20%,10V,-,TP,3528,-"	
C217	2203-005005	"C-CERAMIC,CHIP"	"100nF,10%,16V,X7R,TP,1608"	
C218	2203-005005	"C-CERAMIC,CHIP"	"100nF,10%,16V,X7R,TP,1608"	
C219	2203-005005	"C-CERAMIC,CHIP"	"100nF,10%,16V,X7R,TP,1608"	
C220	2203-005005	"C-CERAMIC,CHIP"	"100nF,10%,16V,X7R,TP,1608"	
C221	2203-005005	"C-CERAMIC,CHIP"	"100nF,10%,16V,X7R,TP,1608"	
C222	2203-005005	"C-CERAMIC,CHIP"	"100nF,10%,16V,X7R,TP,1608"	
C223	2404-000120	"C-TA,CHIP"	"10uF,20%,10V,-,TP,3528,-"	
C224	2203-005005	"C-CERAMIC,CHIP"	"100nF,10%,16V,X7R,TP,1608"	
C225	2402-000176	"C-AL,SMD"	"10uF,20%,16V,GP,TP,4.3x4.3x5.4"	
C226	2203-005005	"C-CERAMIC,CHIP"	"100nF,10%,16V,X7R,TP,1608"	
C227	2203-005005	"C-CERAMIC,CHIP"	"100nF,10%,16V,X7R,TP,1608"	
C228	2203-005005	"C-CERAMIC,CHIP"	"100nF,10%,16V,X7R,TP,1608"	
C229	2203-005005	"C-CERAMIC,CHIP"	"100nF,10%,16V,X7R,TP,1608"	
C230	2203-005005	"C-CERAMIC,CHIP"	"100nF,10%,16V,X7R,TP,1608"	
C231	2203-005005	"C-CERAMIC,CHIP"	"100nF,10%,16V,X7R,TP,1608"	
C232	2203-005005	"C-CERAMIC,CHIP"	"100nF,10%,16V,X7R,TP,1608"	
C233	2203-005005	"C-CERAMIC,CHIP"	"100nF,10%,16V,X7R,TP,1608"	
C234	2203-005005	"C-CERAMIC,CHIP"	"100nF,10%,16V,X7R,TP,1608"	
C235	2203-005005	"C-CERAMIC,CHIP"	"100nF,10%,16V,X7R,TP,1608"	
C236	2203-005005	"C-CERAMIC,CHIP"	"100nF,10%,16V,X7R,TP,1608"	
C237	2203-005005	"C-CERAMIC,CHIP"	"100nF,10%,16V,X7R,TP,1608"	
C238	2203-005005	"C-CERAMIC,CHIP"	"100nF,10%,16V,X7R,TP,1608"	
C239	2203-005005	"C-CERAMIC,CHIP"	"100nF,10%,16V,X7R,TP,1608"	
C240	2203-005005	"C-CERAMIC,CHIP"	"100nF,10%,16V,X7R,TP,1608"	
C241	2203-005005	"C-CERAMIC,CHIP"	"100nF,10%,16V,X7R,TP,1608"	
C242	2203-005005	"C-CERAMIC,CHIP"	"100nF,10%,16V,X7R,TP,1608"	
C243	2203-005005	"C-CERAMIC,CHIP"	"100nF,10%,16V,X7R,TP,1608"	
C244	2203-005005	"C-CERAMIC,CHIP"	"100nF,10%,16V,X7R,TP,1608"	
C245	2402-000176	"C-AL,SMD"	"10uF,20%,16V,GP,TP,4.3x4.3x5.4"	
C246	2402-001042	"C-AL,SMD"	"100uF,20%,16V,GP,TP,6.6x6.6x5.4mm"	
C247	2203-005005	"C-CERAMIC,CHIP"	"100nF,10%,16V,X7R,TP,1608"	
C248	2203-005005	"C-CERAMIC,CHIP"	"100nF,10%,16V,X7R,TP,1608"	
C249	2203-005005	"C-CERAMIC,CHIP"	"100nF,10%,16V,X7R,TP,1608"	
C250	2203-005005	"C-CERAMIC,CHIP"	"100nF,10%,16V,X7R,TP,1608"	
C251	2203-005005	"C-CERAMIC,CHIP"	"100nF,10%,16V,X7R,TP,1608"	
C252	2203-005005	"C-CERAMIC,CHIP"	"100nF,10%,16V,X7R,TP,1608"	
C253	2203-005005	"C-CERAMIC,CHIP"	"100nF,10%,16V,X7R,TP,1608"	
C254	2402-000176	"C-AL,SMD"	"10uF,20%,16V,GP,TP,4.3x4.3x5.4"	
C255	2203-005005	"C-CERAMIC,CHIP"	"100nF,10%,16V,X7R,TP,1608"	
C256	2203-005005	"C-CERAMIC,CHIP"	"100nF,10%,16V,X7R,TP,1608"	
C257	2203-000257	"C-CERAMIC,CHIP"	"10nF,10%,50V,X7R,TP,1608"	
C258	2203-000257	"C-CERAMIC,CHIP"	"10nF,10%,50V,X7R,TP,1608"	
C259	2203-000972	"C-CERAMIC,CHIP"	"47nF,10%,16V,X7R,TP,1608"	
C260	2203-000972	"C-CERAMIC,CHIP"	"47nF,10%,16V,X7R,TP,1608"	
C261	2203-000972	"C-CERAMIC,CHIP"	"47nF,10%,16V,X7R,TP,1608"	
C262	2203-000384	"C-CERAMIC,CHIP"	"0.015nF,5%,50V,NP0,TP,1608"	
C263	2203-000384	"C-CERAMIC,CHIP"	"0.015nF,5%,50V,NP0,TP,1608"	
C264	2203-000384	"C-CERAMIC,CHIP"	"0.015nF,5%,50V,NP0,TP,1608"	

Loc. No.	Code No.	Description	Specification	Remarks
C265	2203-005005	"C-CERAMIC,CHIP"	"100nF,10%,16V,X7R,TP,1608"	
C266	2402-001042	"C-AL,SMD"	"100uF,20%,16V,GP,TP,6.6x6.6x5.4mm"	
C267	2203-000815	"C-CERAMIC,CHIP"	"0.033nF,5%,50V,NP0,TP,1608"	
C300	2402-000176	"C-AL,SMD"	"10uF,20%,16V,GP,TP,4.3x4.3x5.4"	
C301	2203-005005	"C-CERAMIC,CHIP"	"100nF,10%,16V,X7R,TP,1608"	
C302	2402-001042	"C-AL,SMD"	"100uF,20%,16V,GP,TP,6.6x6.6x5.4mm"	
C303	2402-001044	"C-AL,SMD"	"100uF,20%,25V,-,TP,8.3x8.3x6.3"	
C304	2203-000257	"C-CERAMIC,CHIP"	"10nF,10%,50V,X7R,TP,1608"	
C305	2203-000257	"C-CERAMIC,CHIP"	"10nF,10%,50V,X7R,TP,1608"	
C307	2203-000257	"C-CERAMIC,CHIP"	"10nF,10%,50V,X7R,TP,1608"	
C308	2203-000257	"C-CERAMIC,CHIP"	"10nF,10%,50V,X7R,TP,1608"	
C309	2402-001042	"C-AL,SMD"	"100uF,20%,16V,GP,TP,6.6x6.6x5.4mm"	
C310	2203-005005	"C-CERAMIC,CHIP"	"100nF,10%,16V,X7R,TP,1608"	
C311	2203-005005	"C-CERAMIC,CHIP"	"100nF,10%,16V,X7R,TP,1608"	
C312	2402-001044	"C-AL,SMD"	"100uF,20%,25V,-,TP,8.3x8.3x6.3"	
C313	2203-000257	"C-CERAMIC,CHIP"	"10nF,10%,50V,X7R,TP,1608"	
C314	2203-000257	"C-CERAMIC,CHIP"	"10nF,10%,50V,X7R,TP,1608"	
C315	2402-001042	"C-AL,SMD"	"100uF,20%,16V,GP,TP,6.6x6.6x5.4mm"	
C316	2402-001042	"C-AL,SMD"	"100uF,20%,16V,GP,TP,6.6x6.6x5.4mm"	
C317	2203-005005	"C-CERAMIC,CHIP"	"100nF,10%,16V,X7R,TP,1608"	
C318	2402-001042	"C-AL,SMD"	"100uF,20%,16V,GP,TP,6.6x6.6x5.4mm"	
C319	2203-005005	"C-CERAMIC,CHIP"	"100nF,10%,16V,X7R,TP,1608"	
C320	2402-001042	"C-AL,SMD"	"100uF,20%,16V,GP,TP,6.6x6.6x5.4mm"	
C321	2203-000257	"C-CERAMIC,CHIP"	"10nF,10%,50V,X7R,TP,1608"	
C322	2402-001044	"C-AL,SMD"	"100uF,20%,25V,-,TP,8.3x8.3x6.3"	
C323	2203-005005	"C-CERAMIC,CHIP"	"100nF,10%,16V,X7R,TP,1608"	
C324	2203-005005	"C-CERAMIC,CHIP"	"100nF,10%,16V,X7R,TP,1608"	
C325	2203-005005	"C-CERAMIC,CHIP"	"100nF,10%,16V,X7R,TP,1608"	
C326	2203-005005	"C-CERAMIC,CHIP"	"100nF,10%,16V,X7R,TP,1608"	
C327	2203-005005	"C-CERAMIC,CHIP"	"100nF,10%,16V,X7R,TP,1608"	
C328	2203-005005	"C-CERAMIC,CHIP"	"100nF,10%,16V,X7R,TP,1608"	
C329	2402-001042	"C-AL,SMD"	"100uF,20%,16V,GP,TP,6.6x6.6x5.4mm"	
C330	2203-005005	"C-CERAMIC,CHIP"	"100nF,10%,16V,X7R,TP,1608"	
C331	2203-005005	"C-CERAMIC,CHIP"	"100nF,10%,16V,X7R,TP,1608"	
C332	2203-005005	"C-CERAMIC,CHIP"	"100nF,10%,16V,X7R,TP,1608"	
C333	2203-005005	"C-CERAMIC,CHIP"	"100nF,10%,16V,X7R,TP,1608"	
C334	2203-005005	"C-CERAMIC,CHIP"	"100nF,10%,16V,X7R,TP,1608"	
C335	2203-005005	"C-CERAMIC,CHIP"	"100nF,10%,16V,X7R,TP,1608"	
C336	2203-005005	"C-CERAMIC,CHIP"	"100nF,10%,16V,X7R,TP,1608"	
C337	2203-005005	"C-CERAMIC,CHIP"	"100nF,10%,16V,X7R,TP,1608"	
C338	2402-000176	"C-AL,SMD"	"10uF,20%,16V,GP,TP,4.3x4.3x5.4"	
C339	2402-000176	"C-AL,SMD"	"10uF,20%,16V,GP,TP,4.3x4.3x5.4"	
C340	2203-005005	"C-CERAMIC,CHIP"	"100nF,10%,16V,X7R,TP,1608"	
C341	2203-005005	"C-CERAMIC,CHIP"	"100nF,10%,16V,X7R,TP,1608"	
C342	2203-005005	"C-CERAMIC,CHIP"	"100nF,10%,16V,X7R,TP,1608"	
C343	2402-000176	"C-AL,SMD"	"10uF,20%,16V,GP,TP,4.3x4.3x5.4"	
C344	2203-005005	"C-CERAMIC,CHIP"	"100nF,10%,16V,X7R,TP,1608"	
C345	2203-005005	"C-CERAMIC,CHIP"	"100nF,10%,16V,X7R,TP,1608"	
C346	2203-005005	"C-CERAMIC,CHIP"	"100nF,10%,16V,X7R,TP,1608"	
C347	2402-001042	"C-AL,SMD"	"100uF,20%,16V,GP,TP,6.6x6.6x5.4mm"	
C348	2203-005005	"C-CERAMIC,CHIP"	"100nF,10%,16V,X7R,TP,1608"	
C349	2203-005005	"C-CERAMIC,CHIP"	"100nF,10%,16V,X7R,TP,1608"	
C400	2203-005005	"C-CERAMIC,CHIP"	"100nF,10%,16V,X7R,TP,1608"	

## 7 Electrical Parts List

Loc. No.	Code No.	Description	Specification	Remarks
C401	2203-005005	"C-CERAMIC,CHIP"	"100nF,10%,16V,X7R,TP,1608"	
C402	2203-005005	"C-CERAMIC,CHIP"	"100nF,10%,16V,X7R,TP,1608"	
C403	2203-005005	"C-CERAMIC,CHIP"	"100nF,10%,16V,X7R,TP,1608"	
C404	2203-005005	"C-CERAMIC,CHIP"	"100nF,10%,16V,X7R,TP,1608"	
C405	2203-005005	"C-CERAMIC,CHIP"	"100nF,10%,16V,X7R,TP,1608"	
C406	2203-005005	"C-CERAMIC,CHIP"	"100nF,10%,16V,X7R,TP,1608"	
C407	2203-005005	"C-CERAMIC,CHIP"	"100nF,10%,16V,X7R,TP,1608"	
C408	2203-005005	"C-CERAMIC,CHIP"	"100nF,10%,16V,X7R,TP,1608"	
C409	2203-005005	"C-CERAMIC,CHIP"	"100nF,10%,16V,X7R,TP,1608"	
C410	2203-005005	"C-CERAMIC,CHIP"	"100nF,10%,16V,X7R,TP,1608"	
C411	2203-005005	"C-CERAMIC,CHIP"	"100nF,10%,16V,X7R,TP,1608"	
C412	2203-005005	"C-CERAMIC,CHIP"	"100nF,10%,16V,X7R,TP,1608"	
C413	2203-005005	"C-CERAMIC,CHIP"	"100nF,10%,16V,X7R,TP,1608"	
C414	2203-005005	"C-CERAMIC,CHIP"	"100nF,10%,16V,X7R,TP,1608"	
C415	2203-005005	"C-CERAMIC,CHIP"	"100nF,10%,16V,X7R,TP,1608"	
C416	2203-005005	"C-CERAMIC,CHIP"	"100nF,10%,16V,X7R,TP,1608"	
C417	2203-005005	"C-CERAMIC,CHIP"	"100nF,10%,16V,X7R,TP,1608"	
C418	2203-005005	"C-CERAMIC,CHIP"	"100nF,10%,16V,X7R,TP,1608"	
C419	2203-005005	"C-CERAMIC,CHIP"	"100nF,10%,16V,X7R,TP,1608"	
C420	2203-005005	"C-CERAMIC,CHIP"	"100nF,10%,16V,X7R,TP,1608"	
C421	2203-005005	"C-CERAMIC,CHIP"	"100nF,10%,16V,X7R,TP,1608"	
C422	2203-005005	"C-CERAMIC,CHIP"	"100nF,10%,16V,X7R,TP,1608"	
C423	2203-005005	"C-CERAMIC,CHIP"	"100nF,10%,16V,X7R,TP,1608"	
C424	2203-005005	"C-CERAMIC,CHIP"	"100nF,10%,16V,X7R,TP,1608"	
C425	2402-001042	"C-AL,SMD"	"100uF,20%,16V,GP,TP,6.6x6.6x5.4mm"	
C426	2402-001042	"C-AL,SMD"	"100uF,20%,16V,GP,TP,6.6x6.6x5.4mm"	
C427	2203-000280	"C-CERAMIC,CHIP"	"0.01nF,0.5pF,50V,NP0,TP,1608"	
C428	2203-000384	"C-CERAMIC,CHIP"	"0.015nF,5%,50V,NP0,TP,1608"	
C429	2203-000626	"C-CERAMIC,CHIP"	"0.022nF,5%,50V,NP0,TP,1608"	
C430	2203-000626	"C-CERAMIC,CHIP"	"0.022nF,5%,50V,NP0,TP,1608"	
C431	2203-000455	"C-CERAMIC,CHIP"	"1nF,5%,50V,NP0,TP,2012"	
C432	2402-000176	"C-AL,SMD"	"10uF,20%,16V,GP,TP,4.3x4.3x5.4"	
C433	2203-005005	"C-CERAMIC,CHIP"	"100nF,10%,16V,X7R,TP,1608"	
C434	2203-005005	"C-CERAMIC,CHIP"	"100nF,10%,16V,X7R,TP,1608"	
C435	2203-000384	"C-CERAMIC,CHIP"	"0.015nF,5%,50V,NP0,TP,1608"	
C436	2203-005005	"C-CERAMIC,CHIP"	"100nF,10%,16V,X7R,TP,1608"	
C437	2203-005005	"C-CERAMIC,CHIP"	"100nF,10%,16V,X7R,TP,1608"	
C438	2203-005005	"C-CERAMIC,CHIP"	"100nF,10%,16V,X7R,TP,1608"	
C439	2203-005005	"C-CERAMIC,CHIP"	"100nF,10%,16V,X7R,TP,1608"	
C440	2203-005005	"C-CERAMIC,CHIP"	"100nF,10%,16V,X7R,TP,1608"	
C441	2203-005005	"C-CERAMIC,CHIP"	"100nF,10%,16V,X7R,TP,1608"	
C442	2203-005005	"C-CERAMIC,CHIP"	"100nF,10%,16V,X7R,TP,1608"	
C443	2203-005005	"C-CERAMIC,CHIP"	"100nF,10%,16V,X7R,TP,1608"	
C444	2203-005005	"C-CERAMIC,CHIP"	"100nF,10%,16V,X7R,TP,1608"	
C445	2203-005005	"C-CERAMIC,CHIP"	"100nF,10%,16V,X7R,TP,1608"	
C446	2203-005005	"C-CERAMIC,CHIP"	"100nF,10%,16V,X7R,TP,1608"	
C447	2203-005005	"C-CERAMIC,CHIP"	"100nF,10%,16V,X7R,TP,1608"	
C448	2203-005005	"C-CERAMIC,CHIP"	"100nF,10%,16V,X7R,TP,1608"	
C449	2203-005005	"C-CERAMIC,CHIP"	"100nF,10%,16V,X7R,TP,1608"	
C450	2203-005005	"C-CERAMIC,CHIP"	"100nF,10%,16V,X7R,TP,1608"	
C500	2203-000257	"C-CERAMIC,CHIP"	"10nF,10%,50V,X7R,TP,1608"	
C501	2402-000176	"C-AL,SMD"	"10uF,20%,16V,GP,TP,4.3x4.3x5.4"	
C502	2203-000257	"C-CERAMIC,CHIP"	"10nF,10%,50V,X7R,TP,1608"	

Loc. No.	Code No.	Description	Specification	Remarks
C503	2402-000176	"C-AL,SMD"	"10uF,20%,16V,GP,TP,4.3x4.3x5.4"	SNA SNA SNA
C504	2203-000257	"C-CERAMIC,CHIP"	"10nF,10%,50V,X7R,TP,1608"	
C505	2402-000176	"C-AL,SMD"	"10uF,20%,16V,GP,TP,4.3x4.3x5.4"	
C506	2402-000176	"C-AL,SMD"	"10uF,20%,16V,GP,TP,4.3x4.3x5.4"	
C507	2203-000626	"C-CERAMIC,CHIP"	"0.022nF,5%,50V,NP0,TP,1608"	
C508	2203-000626	"C-CERAMIC,CHIP"	"0.022nF,5%,50V,NP0,TP,1608"	
C509	2203-005005	"C-CERAMIC,CHIP"	"100nF,10%,16V,X7R,TP,1608"	
C510	2402-000176	"C-AL,SMD"	"10uF,20%,16V,GP,TP,4.3x4.3x5.4"	
C511	2203-000257	"C-CERAMIC,CHIP"	"10nF,10%,50V,X7R,TP,1608"	
C512	2402-001042	"C-AL,SMD"	"100uF,20%,16V,GP,TP,6.6x6.6x5.4mm"	
CN301	3711-004070	CONNECTOR-HEADER	"BOX,30P,1R,1.25mm,SMD-A,SN"	
CN302	3711-000556	CONNECTOR-HEADER	"BOX,12P,1R,1.25mm,SMD-A,SN"	
CN303	3711-002050	CONNECTOR-HEADER	"BOX,10P,1R,1.25mm,SMD-A,SN"	
D100	0401-001056	DIODE-SWITCHING	"MMBD4148SE,75V,600mA,SOT-23,TP"	
D101	0401-001056	DIODE-SWITCHING	"MMBD4148SE,75V,600mA,SOT-23,TP"	
D102	0401-001056	DIODE-SWITCHING	"MMBD4148SE,75V,600mA,SOT-23,TP"	
D103	0401-001056	DIODE-SWITCHING	"MMBD4148SE,75V,600mA,SOT-23,TP"	
D104	0401-001056	DIODE-SWITCHING	"MMBD4148SE,75V,600mA,SOT-23,TP"	
D105	0401-001056	DIODE-SWITCHING	"MMBD4148SE,75V,600mA,SOT-23,TP"	
D106	0401-001056	DIODE-SWITCHING	"MMBD4148SE,75V,600mA,SOT-23,TP"	
D107	0401-001056	DIODE-SWITCHING	"MMBD4148SE,75V,600mA,SOT-23,TP"	
D108	0401-001056	DIODE-SWITCHING	"MMBD4148SE,75V,600mA,SOT-23,TP"	
D109	0401-001056	DIODE-SWITCHING	"MMBD4148SE,75V,600mA,SOT-23,TP"	
D110	0401-001056	DIODE-SWITCHING	"MMBD4148SE,75V,600mA,SOT-23,TP"	
D111	0401-001056	DIODE-SWITCHING	"MMBD4148SE,75V,600mA,SOT-23,TP"	
D112	0401-001056	DIODE-SWITCHING	"MMBD4148SE,75V,600mA,SOT-23,TP"	
D113	0401-001056	DIODE-SWITCHING	"MMBD4148SE,75V,600mA,SOT-23,TP"	
D114	0401-001056	DIODE-SWITCHING	"MMBD4148SE,75V,600mA,SOT-23,TP"	
D115	0401-001056	DIODE-SWITCHING	"MMBD4148SE,75V,600mA,SOT-23,TP"	
D116	0401-001056	DIODE-SWITCHING	"MMBD4148SE,75V,600mA,SOT-23,TP"	
D117	0401-001056	DIODE-SWITCHING	"MMBD4148SE,75V,600mA,SOT-23,TP"	
D118	0401-001056	DIODE-SWITCHING	"MMBD4148SE,75V,600mA,SOT-23,TP"	
D119	0401-001056	DIODE-SWITCHING	"MMBD4148SE,75V,600mA,SOT-23,TP"	
D300	0402-001098	DIODE-RECTIFIER	"SK34,40V,3A,SMC,TP"	
D301	0402-001098	DIODE-RECTIFIER	"SK34,40V,3A,SMC,TP"	
D302	0401-001056	DIODE-SWITCHING	"MMBD4148SE,75V,600mA,SOT-23,TP"	
D303	0401-001056	DIODE-SWITCHING	"MMBD4148SE,75V,600mA,SOT-23,TP"	
FT100	2901-001114	FILTER-EMI SMD	"25VDC,2.0ADC,-,100nF,3.2x1.6x1"	
FT101	2901-001114	FILTER-EMI SMD	"25VDC,2.0ADC,-,100nF,3.2x1.6x1"	
FT102	2901-001114	FILTER-EMI SMD	"25VDC,2.0ADC,-,100nF,3.2x1.6x1"	
FT103	2901-001114	FILTER-EMI SMD	"25VDC,2.0ADC,-,100nF,3.2x1.6x1"	
FT104	2901-001114	FILTER-EMI SMD	"25VDC,2.0ADC,-,100nF,3.2x1.6x1"	
FT105	2901-001114	FILTER-EMI SMD	"25VDC,2.0ADC,-,100nF,3.2x1.6x1"	
FT106	2901-001114	FILTER-EMI SMD	"25VDC,2.0ADC,-,100nF,3.2x1.6x1"	
FT107	2901-001114	FILTER-EMI SMD	"25VDC,2.0ADC,-,100nF,3.2x1.6x1"	
FT108	2901-001114	FILTER-EMI SMD	"25VDC,2.0ADC,-,100nF,3.2x1.6x1"	
FT109	2901-001114	FILTER-EMI SMD	"25VDC,2.0ADC,-,100nF,3.2x1.6x1"	
FT110	2901-001114	FILTER-EMI SMD	"25VDC,2.0ADC,-,100nF,3.2x1.6x1"	
FT200	2901-001133	FILTER-EMI SMD	"25V,0.15A,-,33pF,2x1.25x0.8mm,TP"	
FT201	2901-001114	FILTER-EMI SMD	"25VDC,2.0ADC,-,100nF,3.2x1.6x1"	
FT202	2901-001114	FILTER-EMI SMD	"25VDC,2.0ADC,-,100nF,3.2x1.6x1"	
FT203	2901-001114	FILTER-EMI SMD	"25VDC,2.0ADC,-,100nF,3.2x1.6x1"	
FT204	2901-001114	FILTER-EMI SMD	"25VDC,2.0ADC,-,100nF,3.2x1.6x1"	

## 7 Electrical Parts List

Loc. No.	Code No.	Description	Specification	Remarks
FT300	2901-001114	FILTER-EMI SMD	"25VDC,2.0ADC,-,100nF,3.2x1.6x1"	
FT301	2901-001114	FILTER-EMI SMD	"25VDC,2.0ADC,-,100nF,3.2x1.6x1"	
FT302	2901-001114	FILTER-EMI SMD	"25VDC,2.0ADC,-,100nF,3.2x1.6x1"	
FT303	3301-001145	CORE-FERRITE BEAD	"AB,4.5x1.6x1.6mm,-,-"	SNA
FT304	3301-001145	CORE-FERRITE BEAD	"AB,4.5x1.6x1.6mm,-,-"	SNA
FT305	3301-001145	CORE-FERRITE BEAD	"AB,4.5x1.6x1.6mm,-,-"	SNA
FT306	3301-001145	CORE-FERRITE BEAD	"AB,4.5x1.6x1.6mm,-,-"	SNA
FT307	3301-001145	CORE-FERRITE BEAD	"AB,4.5x1.6x1.6mm,-,-"	SNA
FT308	3301-001145	CORE-FERRITE BEAD	"AB,4.5x1.6x1.6mm,-,-"	SNA
FT400	2901-001114	FILTER-EMI SMD	"25VDC,2.0ADC,-,100nF,3.2x1.6x1"	
FT401	2901-001114	FILTER-EMI SMD	"25VDC,2.0ADC,-,100nF,3.2x1.6x1"	
FT402	2901-001114	FILTER-EMI SMD	"25VDC,2.0ADC,-,100nF,3.2x1.6x1"	
FT403	2901-001114	FILTER-EMI SMD	"25VDC,2.0ADC,-,100nF,3.2x1.6x1"	
FT404	2901-001114	FILTER-EMI SMD	"25VDC,2.0ADC,-,100nF,3.2x1.6x1"	
FT405	2901-001114	FILTER-EMI SMD	"25VDC,2.0ADC,-,100nF,3.2x1.6x1"	
FT500	2901-001114	FILTER-EMI SMD	"25VDC,2.0ADC,-,100nF,3.2x1.6x1"	
FT501	2901-001114	FILTER-EMI SMD	"25VDC,2.0ADC,-,100nF,3.2x1.6x1"	
IC100	0803-000117	IC-TTL	"74F14,INVERTER,SOP,14P,150MIL,"	
IC101	0801-002393	IC-CMOS LOGIC	"74VHC244,BUS BUFFER,TSSOP,20P,"	
IC102	1103-000129	IC-EEPROM	"24C02,256x8BIT,SOP,8P,150MIL,1"	
IC103	1103-001164	IC-EEPROM	"24LC21A,128X8BIT,SOP,8P,150MIL,-,5V,10%,PLASTIC,0 TO +70C,100UA,CMOS,TP"	
IC104	0803-000106	IC-TTL	"74F132,TRIGGER,SOP,14P,150MIL,"	
IC105	0803-000122	IC-TTL	"74F125,BUFFER,SOP,14P,150MIL,Q"	
IC106	1001-001082	IC-VIDEO SWITCH	"BA7657F,-,SOP,24P,300MIL,SINGL"	
IC107	1204-001551	IC-VIDEO SYSTEM	"GS1881,SONIC,8P,150MIL,PLASTIC,13.2V,-,0TO+70C,TP,VIDEO SYNC SEPARATOR"	
IC108	0801-002171	IC-CMOS LOGIC	"74LCX125,BUS BUFFER,SOP,14P,15"	
IC200	1203-001801	IC-POS.FIXED REG.	"3300,SOT-23,6P,70MIL,PLASTIC,3.3V,-,55TO+125C,50MA,-,TP"	
IC201	1002-001204	IC-A/D CONVERTER	"AD9884KS,140,8BIT,QFP,128P,-,±æ0.5LSB,TR,CMOS,PLASTIC,4V,0to+70C,570mW,Flat Pant"	
IC202	1205-001779	IC-RECEIVER	"SI1161ACT100,TQFP,100P,551MIL,PLASTIC,4V,1.0V,0to+70C,TR,Receiver"	
IC300	1203-001448	IC-POS.FIXED REG.	"2596,TO-263,5P,-,PLASTIC,4.750"	
IC302	1205-001870	IC-TRANSMITTER	"DS90C387VJD,QFP,100P,550MIL,PLASTIC,3.6V,2.8W,-,10to+70C,TR,Dual Pixel LVDS"	
IC303	1203-001447	IC-POS.FIXED REG.	"2596,TO-263,5P,-,PLASTIC,3.135"	
IC400	BN09-00001A	IC-OSD PROCESSOR	"LCD,MTV121P-31,16P,-"	
IC401	1003-001349	IC-LCD CONTROLLER	"gm24S,BGA,292P,1063MIL,-,TR,PLASTIC,-,0to+70C,-,2.4V,-"	
IC402	1105-001165	IC-DRAM	"416S1020,512Kx16BITx2,TSOP,50P"	
IC403	1105-001165	IC-DRAM	"416S1020,512Kx16BITx2,TSOP,50P"	
IC404	1105-001165	IC-DRAM	"416S1020,512Kx16BITx2,TSOP,50P"	
IC501	1103-001163	IC-EEPROM	"S524C80D41,512x8BIT,SOP,8P,150MIL,10mS,5V,10%,PLASTIC,-25to+70C,10uA,CMOS,TP"	
IC502	1203-001109	IC-VOL. DETECTOR	"7045,SOT-89,3P,-,PLASTIC,4.3/4"	
L200	2703-001334	INDUCTOR-SMD	"1.5uH,10%,2x1.25x0.85mm"	
L201	2703-001070	INDUCTOR-SMD	"100uH,10%,4.5x3.2x3.2mm"	
L202	2703-001334	INDUCTOR-SMD	"1.5uH,10%,2x1.25x0.85mm"	
L203	2703-001334	INDUCTOR-SMD	"1.5uH,10%,2x1.25x0.85mm"	
L204	2703-001334	INDUCTOR-SMD	"1.5uH,10%,2x1.25x0.85mm"	
L205	2703-001070	INDUCTOR-SMD	"100uH,10%,4.5x3.2x3.2mm"	
L206	2703-001778	INDUCTOR-SMD	"3.3UH,20%,3.2X2.5X2.2MM"	
L207	2703-001070	INDUCTOR-SMD	"100uH,10%,4.5x3.2x3.2mm"	
L300	2703-001778	INDUCTOR-SMD	"3.3UH,20%,3.2X2.5X2.2MM"	
L301	2703-001778	INDUCTOR-SMD	"3.3UH,20%,3.2X2.5X2.2MM"	
L302	2703-001778	INDUCTOR-SMD	"3.3UH,20%,3.2X2.5X2.2MM"	
L303	2703-001778	INDUCTOR-SMD	"3.3UH,20%,3.2X2.5X2.2MM"	
L304	2703-001778	INDUCTOR-SMD	"3.3UH,20%,3.2X2.5X2.2MM"	
L305	2703-001334	INDUCTOR-SMD	"1.5uH,10%,2x1.25x0.85mm"	

Loc. No.	Code No.	Description	Specification	Remarks
L306	2703-001334	INDUCTOR-SMD	"1.5uH,10%,2x1.25x0.85mm"	
L307	2703-001334	INDUCTOR-SMD	"1.5uH,10%,2x1.25x0.85mm"	
L308	2703-001778	INDUCTOR-SMD	"3.3UH,20%,3.2X2.5X2.2MM"	
L309	2703-001334	INDUCTOR-SMD	"1.5uH,10%,2x1.25x0.85mm"	
L310	2703-001334	INDUCTOR-SMD	"1.5uH,10%,2x1.25x0.85mm"	
L311	2703-001334	INDUCTOR-SMD	"1.5uH,10%,2x1.25x0.85mm"	
L312	2703-001334	INDUCTOR-SMD	"1.5uH,10%,2x1.25x0.85mm"	
L313	2703-001334	INDUCTOR-SMD	"1.5uH,10%,2x1.25x0.85mm"	
L314	2703-001334	INDUCTOR-SMD	"1.5uH,10%,2x1.25x0.85mm"	
L315	2703-001334	INDUCTOR-SMD	"1.5uH,10%,2x1.25x0.85mm"	
L316	2703-001334	INDUCTOR-SMD	"1.5uH,10%,2x1.25x0.85mm"	
L317	2703-001334	INDUCTOR-SMD	"1.5uH,10%,2x1.25x0.85mm"	
L318	2703-001778	INDUCTOR-SMD	"3.3UH,20%,3.2X2.5X2.2MM"	
L319	2703-001334	INDUCTOR-SMD	"1.5uH,10%,2x1.25x0.85mm"	
L320	2703-001334	INDUCTOR-SMD	"1.5uH,10%,2x1.25x0.85mm"	
L321	2703-001334	INDUCTOR-SMD	"1.5uH,10%,2x1.25x0.85mm"	
L322	2703-001334	INDUCTOR-SMD	"1.5uH,10%,2x1.25x0.85mm"	
L323	2703-001334	INDUCTOR-SMD	"1.5uH,10%,2x1.25x0.85mm"	
L324	2703-001334	INDUCTOR-SMD	"1.5uH,10%,2x1.25x0.85mm"	
L325	2703-001334	INDUCTOR-SMD	"1.5uH,10%,2x1.25x0.85mm"	
L326	2703-001334	INDUCTOR-SMD	"1.5uH,10%,2x1.25x0.85mm"	
L327	2703-001334	INDUCTOR-SMD	"1.5uH,10%,2x1.25x0.85mm"	
L328	2703-001334	INDUCTOR-SMD	"1.5uH,10%,2x1.25x0.85mm"	
L329	2703-001334	INDUCTOR-SMD	"1.5uH,10%,2x1.25x0.85mm"	
L330	2703-001778	INDUCTOR-SMD	"3.3UH,20%,3.2X2.5X2.2MM"	
L331	2703-001334	INDUCTOR-SMD	"1.5uH,10%,2x1.25x0.85mm"	
L332	2703-001334	INDUCTOR-SMD	"1.5uH,10%,2x1.25x0.85mm"	
L333	2703-001778	INDUCTOR-SMD	"3.3UH,20%,3.2X2.5X2.2MM"	
L334	BN27-20001A	COIL-CHOKE		
L335	BN27-20001C	COIL-SMD		
L400	2703-001334	INDUCTOR-SMD	"1.5uH,10%,2x1.25x0.85mm"	
L500	2703-001334	INDUCTOR-SMD	"1.5uH,10%,2x1.25x0.85mm"	
L501	2703-001334	INDUCTOR-SMD	"1.5uH,10%,2x1.25x0.85mm"	
L502	2703-001334	INDUCTOR-SMD	"1.5uH,10%,2x1.25x0.85mm"	
L503	2703-001334	INDUCTOR-SMD	"1.5uH,10%,2x1.25x0.85mm"	
MP1.0	BN41-00045A	PCB MAIN	"cn17ms,-,-,-,1.6t,223*118.9,-,-,-"	
Q300	0501-002080	TR-SMALL SIGNAL	"2SC2412K,NPN,200mW,SC-59,TP,120-270"	
Q301	0501-002080	TR-SMALL SIGNAL	"2SC2412K,NPN,200mW,SC-59,TP,120-270"	
Q302	0501-002080	TR-SMALL SIGNAL	"2SC2412K,NPN,200mW,SC-59,TP,120-270"	
Q303	0501-002080	TR-SMALL SIGNAL	"2SC2412K,NPN,200mW,SC-59,TP,120-270"	
Q500	0501-002080	TR-SMALL SIGNAL	"2SC2412K,NPN,200mW,SC-59,TP,120-270"	
Q501	0501-002080	TR-SMALL SIGNAL	"2SC2412K,NPN,200mW,SC-59,TP,120-270"	
R100	2007-000309	R-CHIP	"10ohm,5%,1/16W,DA,TP,1608"	
R101	2007-000309	R-CHIP	"10ohm,5%,1/16W,DA,TP,1608"	
R102	2007-000309	R-CHIP	"10ohm,5%,1/16W,DA,TP,1608"	
R103	2007-000309	R-CHIP	"10ohm,5%,1/16W,DA,TP,1608"	
R104	2007-000309	R-CHIP	"10ohm,5%,1/16W,DA,TP,1608"	
R105	2007-000309	R-CHIP	"10ohm,5%,1/16W,DA,TP,1608"	
R106	2007-000309	R-CHIP	"10ohm,5%,1/16W,DA,TP,1608"	
R107	2007-000309	R-CHIP	"10ohm,5%,1/16W,DA,TP,1608"	
R108	2007-000074	R-CHIP	"100ohm,5%,1/16W,DA,TP,1608"	
R109	2007-000084	R-CHIP	"4.7Kohm,5%,1/16W,DA,TP,1608"	
R110	2007-000097	R-CHIP	"47Kohm,5%,1/16W,DA,TP,1608"	

## 7 Electrical Parts List

Loc. No.	Code No.	Description	Specification	Remarks
R111	2007-000074	R-CHIP	"100ohm,5%,1/16W,DA,TP,1608"	
R112	2007-000074	R-CHIP	"100ohm,5%,1/16W,DA,TP,1608"	
R113	2007-000092	R-CHIP	"15Kohm,5%,1/16W,DA,TP,1608"	
R114	2007-000092	R-CHIP	"15Kohm,5%,1/16W,DA,TP,1608"	
R115	2007-000074	R-CHIP	"100ohm,5%,1/16W,DA,TP,1608"	
R116	2007-000074	R-CHIP	"100ohm,5%,1/16W,DA,TP,1608"	
R117	2007-000074	R-CHIP	"100ohm,5%,1/16W,DA,TP,1608"	
R120	2007-000113	R-CHIP	"33ohm,5%,1/16W,DA,TP,1608"	
R121	2007-000113	R-CHIP	"33ohm,5%,1/16W,DA,TP,1608"	
R122	2007-000113	R-CHIP	"33ohm,5%,1/16W,DA,TP,1608"	
R123	2007-001167	R-CHIP	"75ohm,5%,1/16W,DA,TP,1608"	
R124	2007-001167	R-CHIP	"75ohm,5%,1/16W,DA,TP,1608"	
R125	2007-001167	R-CHIP	"75ohm,5%,1/16W,DA,TP,1608"	
R126	2007-000113	R-CHIP	"33ohm,5%,1/16W,DA,TP,1608"	
R127	2007-000113	R-CHIP	"33ohm,5%,1/16W,DA,TP,1608"	
R128	2007-000113	R-CHIP	"33ohm,5%,1/16W,DA,TP,1608"	
R129	2007-001167	R-CHIP	"75ohm,5%,1/16W,DA,TP,1608"	
R130	2007-001167	R-CHIP	"75ohm,5%,1/16W,DA,TP,1608"	
R131	2007-001167	R-CHIP	"75ohm,5%,1/16W,DA,TP,1608"	
R132	2007-000074	R-CHIP	"100ohm,5%,1/16W,DA,TP,1608"	
R133	2007-000074	R-CHIP	"100ohm,5%,1/16W,DA,TP,1608"	
R134	2007-000074	R-CHIP	"100ohm,5%,1/16W,DA,TP,1608"	
R135	2007-000074	R-CHIP	"100ohm,5%,1/16W,DA,TP,1608"	
R136	2007-000080	R-CHIP	"2Kohm,5%,1/16W,DA,TP,1608"	
R137	2007-000074	R-CHIP	"100ohm,5%,1/16W,DA,TP,1608"	
R138	2007-000074	R-CHIP	"100ohm,5%,1/16W,DA,TP,1608"	
R139	2007-000080	R-CHIP	"2Kohm,5%,1/16W,DA,TP,1608"	
R140	2007-000118	R-CHIP	"390ohm,5%,1/16W,DA,TP,1608"	
R141	2007-000118	R-CHIP	"390ohm,5%,1/16W,DA,TP,1608"	
R142	2007-001167	R-CHIP	"75ohm,5%,1/16W,DA,TP,1608"	
R143	2007-001167	R-CHIP	"75ohm,5%,1/16W,DA,TP,1608"	
R144	2007-000074	R-CHIP	"100ohm,5%,1/16W,DA,TP,1608"	
R145	2007-001167	R-CHIP	"75ohm,5%,1/16W,DA,TP,1608"	
R146	2007-000113	R-CHIP	"33ohm,5%,1/16W,DA,TP,1608"	
R147	2007-000116	R-CHIP	"120ohm,5%,1/16W,DA,TP,1608"	
R148	2007-001114	R-CHIP	"680Kohm,5%,1/16W,DA,TP,1608"	
R149	2007-000084	R-CHIP	"4.7Kohm,5%,1/16W,DA,TP,1608"	
R151	2007-000070	R-CHIP	"0ohm,5%,1/16W,DA,TP,1608"	
R152	2007-000097	R-CHIP	"47Kohm,5%,1/16W,DA,TP,1608"	
R200	2007-001002	R-CHIP	"510ohm,5%,1/16W,DA,TP,1608"	
R201	2007-000071	R-CHIP	"22ohm,5%,1/16W,DA,TP,1608"	
R202	2007-000080	R-CHIP	"2Kohm,5%,1/16W,DA,TP,1608"	
R203	2007-000070	R-CHIP	"0ohm,5%,1/16W,DA,TP,1608"	
R204	2007-000092	R-CHIP	"15Kohm,5%,1/16W,DA,TP,1608"	
R205	2007-000092	R-CHIP	"15Kohm,5%,1/16W,DA,TP,1608"	
R206	2007-000092	R-CHIP	"15Kohm,5%,1/16W,DA,TP,1608"	
R207	2007-000092	R-CHIP	"15Kohm,5%,1/16W,DA,TP,1608"	
R208	2007-000102	R-CHIP	"100Kohm,5%,1/16W,DA,TP,1608"	
R209	2007-000239	R-CHIP	"1.5Kohm,1%,1/16W,DA,TP,1608"	
R210	2007-000084	R-CHIP	"4.7Kohm,5%,1/16W,DA,TP,1608"	
R211	2007-000084	R-CHIP	"4.7Kohm,5%,1/16W,DA,TP,1608"	

Loc. No.	Code No.	Description	Specification	Remarks
R212	2007-000071	R-CHIP	"22ohm,5%,1/16W,DA,TP,1608"	
R213	2007-000071	R-CHIP	"22ohm,5%,1/16W,DA,TP,1608"	
R214	2007-000071	R-CHIP	"22ohm,5%,1/16W,DA,TP,1608"	
R215	2007-000071	R-CHIP	"22ohm,5%,1/16W,DA,TP,1608"	
R216	2007-000071	R-CHIP	"22ohm,5%,1/16W,DA,TP,1608"	
R217	2007-000090	R-CHIP	"10Kohm,5%,1/16W,DA,TP,1608"	
R218	2007-000090	R-CHIP	"10Kohm,5%,1/16W,DA,TP,1608"	
R219	2007-000090	R-CHIP	"10Kohm,5%,1/16W,DA,TP,1608"	
R220	2007-000090	R-CHIP	"10Kohm,5%,1/16W,DA,TP,1608"	
R221	2007-000071	R-CHIP	"22ohm,5%,1/16W,DA,TP,1608"	
R222	2007-000070	R-CHIP	"0ohm,5%,1/16W,DA,TP,1608"	
R223	2007-000080	R-CHIP	"2Kohm,5%,1/16W,DA,TP,1608"	
R300	2007-000102	R-CHIP	"100Kohm,5%,1/16W,DA,TP,1608"	
R301	2007-000084	R-CHIP	"4.7Kohm,5%,1/16W,DA,TP,1608"	
R302	2007-000102	R-CHIP	"100Kohm,5%,1/16W,DA,TP,1608"	
R303	2007-000090	R-CHIP	"10Kohm,5%,1/16W,DA,TP,1608"	
R304	2007-000090	R-CHIP	"10Kohm,5%,1/16W,DA,TP,1608"	
R305	2007-000084	R-CHIP	"4.7Kohm,5%,1/16W,DA,TP,1608"	
R306	2007-000102	R-CHIP	"100Kohm,5%,1/16W,DA,TP,1608"	
R307	2007-000090	R-CHIP	"10Kohm,5%,1/16W,DA,TP,1608"	
R308	2007-000102	R-CHIP	"100Kohm,5%,1/16W,DA,TP,1608"	
R309	2007-000090	R-CHIP	"10Kohm,5%,1/16W,DA,TP,1608"	
R311	2007-000090	R-CHIP	"10Kohm,5%,1/16W,DA,TP,1608"	
R312	2007-000090	R-CHIP	"10Kohm,5%,1/16W,DA,TP,1608"	
R313	2007-000090	R-CHIP	"10Kohm,5%,1/16W,DA,TP,1608"	
R314	2007-000090	R-CHIP	"10Kohm,5%,1/16W,DA,TP,1608"	
R315	2007-000072	R-CHIP	"47ohm,5%,1/16W,DA,TP,1608"	
R316	2007-000090	R-CHIP	"10Kohm,5%,1/16W,DA,TP,1608"	
R317	2007-000090	R-CHIP	"10Kohm,5%,1/16W,DA,TP,1608"	
R318	2007-000070	R-CHIP	"0ohm,5%,1/16W,DA,TP,1608"	
R319	2007-000070	R-CHIP	"0ohm,5%,1/16W,DA,TP,1608"	
R320	2007-000070	R-CHIP	"0ohm,5%,1/16W,DA,TP,1608"	
R321	2007-000070	R-CHIP	"0ohm,5%,1/16W,DA,TP,1608"	
R322	2007-000070	R-CHIP	"0ohm,5%,1/16W,DA,TP,1608"	
R323	2007-000070	R-CHIP	"0ohm,5%,1/16W,DA,TP,1608"	
R324	2007-000070	R-CHIP	"0ohm,5%,1/16W,DA,TP,1608"	
R325	2007-000070	R-CHIP	"0ohm,5%,1/16W,DA,TP,1608"	
R326	2007-000070	R-CHIP	"0ohm,5%,1/16W,DA,TP,1608"	
R327	2007-000070	R-CHIP	"0ohm,5%,1/16W,DA,TP,1608"	
R328	2007-000070	R-CHIP	"0ohm,5%,1/16W,DA,TP,1608"	
R329	2007-000070	R-CHIP	"0ohm,5%,1/16W,DA,TP,1608"	
R330	2007-000070	R-CHIP	"0ohm,5%,1/16W,DA,TP,1608"	
R331	2007-000070	R-CHIP	"0ohm,5%,1/16W,DA,TP,1608"	
R332	2007-000070	R-CHIP	"0ohm,5%,1/16W,DA,TP,1608"	
R333	2007-000070	R-CHIP	"0ohm,5%,1/16W,DA,TP,1608"	
R334	2007-000070	R-CHIP	"0ohm,5%,1/16W,DA,TP,1608"	
R335	2007-000070	R-CHIP	"0ohm,5%,1/16W,DA,TP,1608"	
R336	2007-000070	R-CHIP	"0ohm,5%,1/16W,DA,TP,1608"	
R337	2007-000070	R-CHIP	"0ohm,5%,1/16W,DA,TP,1608"	
R338	2007-000070	R-CHIP	"0ohm,5%,1/16W,DA,TP,1608"	
R339	2007-000070	R-CHIP	"0ohm,5%,1/16W,DA,TP,1608"	



## 7 Electrical Parts List

Loc. No.	Code No.	Description	Specification	Remarks
R34	2007-000090	R-CHIP	"10Kohm,5%,1/16W,DA,TP,1608"	
R401	2007-000071	R-CHIP	"22ohm,5%,1/16W,DA,TP,1608"	
R402	2007-000120	R-CHIP	"680ohm,5%,1/16W,DA,TP,1608"	
R403	2007-000090	R-CHIP	"10Kohm,5%,1/16W,DA,TP,1608"	
R404	2007-000071	R-CHIP	"22ohm,5%,1/16W,DA,TP,1608"	
R405	2007-000071	R-CHIP	"22ohm,5%,1/16W,DA,TP,1608"	
R406	2007-000071	R-CHIP	"22ohm,5%,1/16W,DA,TP,1608"	
R409	2007-000070	R-CHIP	"0ohm,5%,1/16W,DA,TP,1608"	
R410	2007-000070	R-CHIP	"0ohm,5%,1/16W,DA,TP,1608"	
R411	2007-000070	R-CHIP	"0ohm,5%,1/16W,DA,TP,1608"	
R412	2007-000070	R-CHIP	"0ohm,5%,1/16W,DA,TP,1608"	
R413	2007-000070	R-CHIP	"0ohm,5%,1/16W,DA,TP,1608"	
R414	2007-000070	R-CHIP	"0ohm,5%,1/16W,DA,TP,1608"	
R415	2007-000070	R-CHIP	"0ohm,5%,1/16W,DA,TP,1608"	
R421	2007-000070	R-CHIP	"0ohm,5%,1/16W,DA,TP,1608"	
R422	2007-000070	R-CHIP	"0ohm,5%,1/16W,DA,TP,1608"	
R423	2007-000070	R-CHIP	"0ohm,5%,1/16W,DA,TP,1608"	
R427	2007-000070	R-CHIP	"0ohm,5%,1/16W,DA,TP,1608"	
R431	2007-000070	R-CHIP	"0ohm,5%,1/16W,DA,TP,1608"	
R433	2007-000070	R-CHIP	"0ohm,5%,1/16W,DA,TP,1608"	
R434	2007-000070	R-CHIP	"0ohm,5%,1/16W,DA,TP,1608"	
R435	2007-000070	R-CHIP	"0ohm,5%,1/16W,DA,TP,1608"	
R436	2007-000070	R-CHIP	"0ohm,5%,1/16W,DA,TP,1608"	
R437	2007-000070	R-CHIP	"0ohm,5%,1/16W,DA,TP,1608"	
R438	2007-000070	R-CHIP	"0ohm,5%,1/16W,DA,TP,1608"	
R439	2007-000070	R-CHIP	"0ohm,5%,1/16W,DA,TP,1608"	
R440	2007-000070	R-CHIP	"0ohm,5%,1/16W,DA,TP,1608"	
R441	2007-000090	R-CHIP	"10Kohm,5%,1/16W,DA,TP,1608"	
R444	2007-000090	R-CHIP	"10Kohm,5%,1/16W,DA,TP,1608"	
R445	2007-000090	R-CHIP	"10Kohm,5%,1/16W,DA,TP,1608"	
R448	2007-000090	R-CHIP	"10Kohm,5%,1/16W,DA,TP,1608"	
R449	2007-000090	R-CHIP	"10Kohm,5%,1/16W,DA,TP,1608"	
R452	2007-000090	R-CHIP	"10Kohm,5%,1/16W,DA,TP,1608"	
R453	2007-000090	R-CHIP	"10Kohm,5%,1/16W,DA,TP,1608"	
R456	2007-000090	R-CHIP	"10Kohm,5%,1/16W,DA,TP,1608"	
R457	2007-000090	R-CHIP	"10Kohm,5%,1/16W,DA,TP,1608"	
R460	2007-000090	R-CHIP	"10Kohm,5%,1/16W,DA,TP,1608"	
R462	2007-000090	R-CHIP	"10Kohm,5%,1/16W,DA,TP,1608"	
R464	2007-000090	R-CHIP	"10Kohm,5%,1/16W,DA,TP,1608"	
R466	2007-000090	R-CHIP	"10Kohm,5%,1/16W,DA,TP,1608"	
R468	2007-000090	R-CHIP	"10Kohm,5%,1/16W,DA,TP,1608"	
R469	2007-000070	R-CHIP	"0ohm,5%,1/16W,DA,TP,1608"	
R470	2007-000070	R-CHIP	"0ohm,5%,1/16W,DA,TP,1608"	
R471	2007-000070	R-CHIP	"0ohm,5%,1/16W,DA,TP,1608"	
R472	2007-000070	R-CHIP	"0ohm,5%,1/16W,DA,TP,1608"	
R473	2007-000070	R-CHIP	"0ohm,5%,1/16W,DA,TP,1608"	
R474	2007-000074	R-CHIP	"100ohm,5%,1/16W,DA,TP,1608"	
R475	2007-000074	R-CHIP	"100ohm,5%,1/16W,DA,TP,1608"	
R476	2007-000084	R-CHIP	"4.7Kohm,5%,1/16W,DA,TP,1608"	
R477	2007-000084	R-CHIP	"4.7Kohm,5%,1/16W,DA,TP,1608"	
R478	2007-000084	R-CHIP	"4.7Kohm,5%,1/16W,DA,TP,1608"	
R479	2007-000090	R-CHIP	"10Kohm,5%,1/16W,DA,TP,1608"	
R500	2007-000084	R-CHIP	"4.7Kohm,5%,1/16W,DA,TP,1608"	

Loc. No.	Code No.	Description	Specification	Remarks
R501	2007-000076	R-CHIP	"330ohm,5%,1/16W,DA,TP,1608"	
R502	2007-001002	R-CHIP	"510ohm,5%,1/16W,DA,TP,1608"	
R503	2007-001002	R-CHIP	"510ohm,5%,1/16W,DA,TP,1608"	
R504	2007-001002	R-CHIP	"510ohm,5%,1/16W,DA,TP,1608"	
R505	2007-000084	R-CHIP	"4.7Kohm,5%,1/16W,DA,TP,1608"	
R506	2007-000084	R-CHIP	"4.7Kohm,5%,1/16W,DA,TP,1608"	
R507	2007-000084	R-CHIP	"4.7Kohm,5%,1/16W,DA,TP,1608"	
R508	2007-000084	R-CHIP	"4.7Kohm,5%,1/16W,DA,TP,1608"	
R509	2007-000084	R-CHIP	"4.7Kohm,5%,1/16W,DA,TP,1608"	
R510	2007-000084	R-CHIP	"4.7Kohm,5%,1/16W,DA,TP,1608"	
R511	2007-000076	R-CHIP	"330ohm,5%,1/16W,DA,TP,1608"	
R512	2007-000076	R-CHIP	"330ohm,5%,1/16W,DA,TP,1608"	
R513	2007-001002	R-CHIP	"510ohm,5%,1/16W,DA,TP,1608"	
R514	2007-000084	R-CHIP	"4.7Kohm,5%,1/16W,DA,TP,1608"	
R515	2007-000084	R-CHIP	"4.7Kohm,5%,1/16W,DA,TP,1608"	
R516	2007-000084	R-CHIP	"4.7Kohm,5%,1/16W,DA,TP,1608"	
R517	2007-000084	R-CHIP	"4.7Kohm,5%,1/16W,DA,TP,1608"	
R518	2007-000084	R-CHIP	"4.7Kohm,5%,1/16W,DA,TP,1608"	
R519	2007-000074	R-CHIP	"100ohm,5%,1/16W,DA,TP,1608"	
R520	2007-000074	R-CHIP	"100ohm,5%,1/16W,DA,TP,1608"	
R521	2007-000074	R-CHIP	"100ohm,5%,1/16W,DA,TP,1608"	
R522	2007-000078	R-CHIP	"1Kohm,5%,1/16W,DA,TP,1608"	
R523	2007-000074	R-CHIP	"100ohm,5%,1/16W,DA,TP,1608"	
R524	2007-000074	R-CHIP	"100ohm,5%,1/16W,DA,TP,1608"	
R525	2007-000074	R-CHIP	"100ohm,5%,1/16W,DA,TP,1608"	
R526	2007-000077	R-CHIP	"470ohm,5%,1/16W,DA,TP,1608"	
R527	2007-000074	R-CHIP	"100ohm,5%,1/16W,DA,TP,1608"	
R528	2007-000074	R-CHIP	"100ohm,5%,1/16W,DA,TP,1608"	
R529	2007-000078	R-CHIP	"1Kohm,5%,1/16W,DA,TP,1608"	
R530	2007-000074	R-CHIP	"100ohm,5%,1/16W,DA,TP,1608"	
R532	2007-000074	R-CHIP	"100ohm,5%,1/16W,DA,TP,1608"	
R533	2007-000074	R-CHIP	"100ohm,5%,1/16W,DA,TP,1608"	
R534	2007-000074	R-CHIP	"100ohm,5%,1/16W,DA,TP,1608"	
R535	2007-000074	R-CHIP	"100ohm,5%,1/16W,DA,TP,1608"	
R536	2007-000074	R-CHIP	"100ohm,5%,1/16W,DA,TP,1608"	
R537	2007-000074	R-CHIP	"100ohm,5%,1/16W,DA,TP,1608"	
R538	2007-000074	R-CHIP	"100ohm,5%,1/16W,DA,TP,1608"	
R539	2007-000074	R-CHIP	"100ohm,5%,1/16W,DA,TP,1608"	
R540	2007-000074	R-CHIP	"100ohm,5%,1/16W,DA,TP,1608"	
R541	2007-000074	R-CHIP	"100ohm,5%,1/16W,DA,TP,1608"	
R542	2007-000074	R-CHIP	"100ohm,5%,1/16W,DA,TP,1608"	
R543	2007-000074	R-CHIP	"100ohm,5%,1/16W,DA,TP,1608"	
R544	2007-000074	R-CHIP	"100ohm,5%,1/16W,DA,TP,1608"	
R545	2007-000074	R-CHIP	"100ohm,5%,1/16W,DA,TP,1608"	
R546	2007-000074	R-CHIP	"100ohm,5%,1/16W,DA,TP,1608"	
R547	2007-000074	R-CHIP	"100ohm,5%,1/16W,DA,TP,1608"	
R548	2007-000074	R-CHIP	"100ohm,5%,1/16W,DA,TP,1608"	
R549	2007-000074	R-CHIP	"100ohm,5%,1/16W,DA,TP,1608"	
R550	2007-000074	R-CHIP	"100ohm,5%,1/16W,DA,TP,1608"	
R551	2007-000074	R-CHIP	"100ohm,5%,1/16W,DA,TP,1608"	
R552	2007-000074	R-CHIP	"100ohm,5%,1/16W,DA,TP,1608"	
R553	2007-000074	R-CHIP	"100ohm,5%,1/16W,DA,TP,1608"	
R554	2007-000074	R-CHIP	"100ohm,5%,1/16W,DA,TP,1608"	

## 7 Electrical Parts List

Loc. No.	Code No.	Description	Specification	Remarks
R555	2007-000074	R-CHIP	"100ohm,5%,1/16W,DA,TP,1608"	
R556	2007-000084	R-CHIP	"4.7Kohm,5%,1/16W,DA,TP,1608"	
R557	2007-000084	R-CHIP	"4.7Kohm,5%,1/16W,DA,TP,1608"	
R560	2007-000109	R-CHIP	"1Mohm,5%,1/16W,DA,TP,1608"	
R561	2007-000075	R-CHIP	"220ohm,5%,1/16W,DA,TP,1608"	
RA200	2011-000002	R-NETWORK	"22ohm,5%,63mW,L,CHIP,8P,TP"	
RA201	2011-000002	R-NETWORK	"22ohm,5%,63mW,L,CHIP,8P,TP"	
RA202	2011-000002	R-NETWORK	"22ohm,5%,63mW,L,CHIP,8P,TP"	
RA203	2011-000002	R-NETWORK	"22ohm,5%,63mW,L,CHIP,8P,TP"	
RA204	2011-000002	R-NETWORK	"22ohm,5%,63mW,L,CHIP,8P,TP"	
RA205	2011-000002	R-NETWORK	"22ohm,5%,63mW,L,CHIP,8P,TP"	
RA206	2011-000002	R-NETWORK	"22ohm,5%,63mW,L,CHIP,8P,TP"	
RA207	2011-000002	R-NETWORK	"22ohm,5%,63mW,L,CHIP,8P,TP"	
RA208	2011-000002	R-NETWORK	"22ohm,5%,63mW,L,CHIP,8P,TP"	
RA209	2011-000002	R-NETWORK	"22ohm,5%,63mW,L,CHIP,8P,TP"	
RA210	2011-000002	R-NETWORK	"22ohm,5%,63mW,L,CHIP,8P,TP"	
RA211	2011-000002	R-NETWORK	"22ohm,5%,63mW,L,CHIP,8P,TP"	
RA212	2011-000002	R-NETWORK	"22ohm,5%,63mW,L,CHIP,8P,TP"	
RA213	2011-000002	R-NETWORK	"22ohm,5%,63mW,L,CHIP,8P,TP"	
RA214	2011-000002	R-NETWORK	"22ohm,5%,63mW,L,CHIP,8P,TP"	
RA215	2011-000002	R-NETWORK	"22ohm,5%,63mW,L,CHIP,8P,TP"	
RA216	2011-000002	R-NETWORK	"22ohm,5%,63mW,L,CHIP,8P,TP"	
RA217	2011-000002	R-NETWORK	"22ohm,5%,63mW,L,CHIP,8P,TP"	
RA218	2011-000002	R-NETWORK	"22ohm,5%,63mW,L,CHIP,8P,TP"	
RA219	2011-000002	R-NETWORK	"22ohm,5%,63mW,L,CHIP,8P,TP"	
RA220	2011-000002	R-NETWORK	"22ohm,5%,63mW,L,CHIP,8P,TP"	
RA221	2011-000002	R-NETWORK	"22ohm,5%,63mW,L,CHIP,8P,TP"	
RA222	2011-000002	R-NETWORK	"22ohm,5%,63mW,L,CHIP,8P,TP"	
RA223	2011-000002	R-NETWORK	"22ohm,5%,63mW,L,CHIP,8P,TP"	
RA224	2011-000002	R-NETWORK	"22ohm,5%,63mW,L,CHIP,8P,TP"	
RA400	2011-000002	R-NETWORK	"22ohm,5%,63mW,L,CHIP,8P,TP"	
RA401	2011-000002	R-NETWORK	"22ohm,5%,63mW,L,CHIP,8P,TP"	
RA402	2011-000002	R-NETWORK	"22ohm,5%,63mW,L,CHIP,8P,TP"	
RA403	2011-000002	R-NETWORK	"22ohm,5%,63mW,L,CHIP,8P,TP"	
RA404	2011-000002	R-NETWORK	"22ohm,5%,63mW,L,CHIP,8P,TP"	
RA405	2011-000002	R-NETWORK	"22ohm,5%,63mW,L,CHIP,8P,TP"	
RA406	2011-000002	R-NETWORK	"22ohm,5%,63mW,L,CHIP,8P,TP"	
RA407	2011-000002	R-NETWORK	"22ohm,5%,63mW,L,CHIP,8P,TP"	
RA408	2011-000002	R-NETWORK	"22ohm,5%,63mW,L,CHIP,8P,TP"	
RA409	2011-000002	R-NETWORK	"22ohm,5%,63mW,L,CHIP,8P,TP"	
RA410	2011-000002	R-NETWORK	"22ohm,5%,63mW,L,CHIP,8P,TP"	
RA411	2011-000002	R-NETWORK	"22ohm,5%,63mW,L,CHIP,8P,TP"	
X400	2801-003981	CRYSTAL-SMD	"50MHZ,30ppm,28-ABX,20pF,80ohm,TP"	
X500	2801-003773	CRYSTAL-SMD	"12MHZ,30PPM,28-AAN,20PF,50OHM,TP"	
ZD100	0403-000579	DIODE-ZENER	"BZX84C5V1,5.1V,5%,200mW,SOT-23"	
ZD101	0403-000579	DIODE-ZENER	"BZX84C5V1,5.1V,5%,200mW,SOT-23"	
ZD102	0403-000579	DIODE-ZENER	"BZX84C5V1,5.1V,5%,200mW,SOT-23"	
ZD103	0403-000579	DIODE-ZENER	"BZX84C5V1,5.1V,5%,200mW,SOT-23"	
ZD104	0403-000579	DIODE-ZENER	"BZX84C5V1,5.1V,5%,200mW,SOT-23"	
ZD105	0403-000579	DIODE-ZENER	"BZX84C5V1,5.1V,5%,200mW,SOT-23"	
ZD500	0403-000579	DIODE-ZENER	"BZX84C5V1,5.1V,5%,200mW,SOT-23"	

## 7-2 Others

Loc. No.	Code No.	Description	Specification	Remarks
LCD	BN07-00018A	LCD PANNEL	"LTM170E4-L01,LSA,8BIT,341.52*273.936,16.7M,30,-,-,-,AMLCD/2 LVDS,-"	SNA
PROCESS PBA UNIT	BN94-00071B	ASSY PCB-FT	"CN17BSF(DUAL),-,-,-"	
B/D ASS'Y CODE	BN98-00015N	ASSY PCB/MAIN-FT	"CN17BSF(DUAL),-,-,-"	
ADAPTER	BN44-00024A	ADAPTER	"90-264VAC,AD-4214(O)S),-,14VDC,3A/14VDC,-"	
INVERTER	BN44-00038A	INVERTER	"TX17P0,SIC1802,48KHZ,14VDC,1.5mAs,7.2mArms,48KHZ,160*45*17,4LAMP,48KHz,1.7KVrms,-"	
P/CORD	BH39-10339E	CBF-POWER/CORD	"DET,SVT,125V 7A/10A,IVORY,1830"	
S/CABLE	BN39-00114A	CBF-SIGNAL	"NL15MO, 15P/15P, 2990, 1830MM, UL2990, IVORY, D-SUB/MALE,-,-,-"	

## 7-3 Main PCB Parts (CN17A\*)

Loc. No.	Code No.	Description	Specification	Remarks
C306	2409-001004	C-ORGANIC	"100uF,20%,16V,LL,BK,8x10.5mm,3"	SNA
CIS	BN70-00114C	SHIELD-D/SUB	"CN17BS,SPTE,-,T0.5,-,-,ANALOG TYPE"	
CIS	BN46-00005Y	"MICOM-S/W,CN17MSF(E4)"	"CN17MSF(E4 PANEL),-,,-,-,-,-"	
CN101	3701-001219	CONNECTOR-DSUB	"15P,3R,FEMALE,ANGLE,AUF"	
CN300	3722-000117	JACK-DC POWER	"3P,3.5mm,AG,BLK,NO"	SNA
CN304	3711-000056	CONNECTOR-HEADER	"BOX,2P,1R,2.5mm,ANGLE,SN"	SNA
CN500	3711-001465	CONNECTOR-HEADER	"NOWALL,3P,1R,2.54mm,STRAIGHT,A"	SNA
IC500	0903-001194	IC-MICROCONTROLLER	"3P863,8BIT,SDIP,42P,600MIL,12MHz,ST,CMOS,PLASTIC,5V,-,401n-85C,1040BYTE,48KBYTE"	SNA
IC500_SOCKET	3704-001071	SOCKET-IC	"42P,DIP,SN,1.778mm"	
C100	2203-000257	"C-CERAMIC,CHIP"	"10nF,10%,50V,X7R,TP,1608"	
C105	2402-000176	"C-AL,SMD"	"10uF,20%,16V,GP,TP,4.3x4.3x5.4"	
C107	2203-005005	"C-CERAMIC,CHIP"	"100nF,10%,16V,X7R,TP,1608"	
C108	2203-005005	"C-CERAMIC,CHIP"	"100nF,10%,16V,X7R,TP,1608"	
C116	2203-000257	"C-CERAMIC,CHIP"	"10nF,10%,50V,X7R,TP,1608"	
C117	2402-000176	"C-AL,SMD"	"10uF,20%,16V,GP,TP,4.3x4.3x5.4"	
C118	2203-000257	"C-CERAMIC,CHIP"	"10nF,10%,50V,X7R,TP,1608"	
C119	2402-000176	"C-AL,SMD"	"10uF,20%,16V,GP,TP,4.3x4.3x5.4"	
C120	2203-000257	"C-CERAMIC,CHIP"	"10nF,10%,50V,X7R,TP,1608"	
C121	2402-000176	"C-AL,SMD"	"10uF,20%,16V,GP,TP,4.3x4.3x5.4"	
C122	2203-000257	"C-CERAMIC,CHIP"	"10nF,10%,50V,X7R,TP,1608"	
C123	2402-000176	"C-AL,SMD"	"10uF,20%,16V,GP,TP,4.3x4.3x5.4"	
C124	2203-005005	"C-CERAMIC,CHIP"	"100nF,10%,16V,X7R,TP,1608"	
C125	2203-005005	"C-CERAMIC,CHIP"	"100nF,10%,16V,X7R,TP,1608"	
C126	2203-000257	"C-CERAMIC,CHIP"	"10nF,10%,50V,X7R,TP,1608"	
C127	2402-000176	"C-AL,SMD"	"10uF,20%,16V,GP,TP,4.3x4.3x5.4"	
C225	2402-000176	"C-AL,SMD"	"10uF,20%,16V,GP,TP,4.3x4.3x5.4"	
C226	2203-005005	"C-CERAMIC,CHIP"	"100nF,10%,16V,X7R,TP,1608"	
C227	2203-005005	"C-CERAMIC,CHIP"	"100nF,10%,16V,X7R,TP,1608"	
C228	2203-005005	"C-CERAMIC,CHIP"	"100nF,10%,16V,X7R,TP,1608"	
C229	2203-005005	"C-CERAMIC,CHIP"	"100nF,10%,16V,X7R,TP,1608"	
C230	2203-005005	"C-CERAMIC,CHIP"	"100nF,10%,16V,X7R,TP,1608"	
C231	2203-005005	"C-CERAMIC,CHIP"	"100nF,10%,16V,X7R,TP,1608"	
C232	2203-005005	"C-CERAMIC,CHIP"	"100nF,10%,16V,X7R,TP,1608"	
C233	2203-005005	"C-CERAMIC,CHIP"	"100nF,10%,16V,X7R,TP,1608"	
C234	2203-005005	"C-CERAMIC,CHIP"	"100nF,10%,16V,X7R,TP,1608"	
C235	2203-005005	"C-CERAMIC,CHIP"	"100nF,10%,16V,X7R,TP,1608"	
C236	2203-005005	"C-CERAMIC,CHIP"	"100nF,10%,16V,X7R,TP,1608"	
C237	2203-005005	"C-CERAMIC,CHIP"	"100nF,10%,16V,X7R,TP,1608"	
C238	2203-005005	"C-CERAMIC,CHIP"	"100nF,10%,16V,X7R,TP,1608"	
C239	2203-005005	"C-CERAMIC,CHIP"	"100nF,10%,16V,X7R,TP,1608"	
C240	2203-005005	"C-CERAMIC,CHIP"	"100nF,10%,16V,X7R,TP,1608"	
C241	2203-005005	"C-CERAMIC,CHIP"	"100nF,10%,16V,X7R,TP,1608"	
C242	2203-005005	"C-CERAMIC,CHIP"	"100nF,10%,16V,X7R,TP,1608"	
C243	2203-005005	"C-CERAMIC,CHIP"	"100nF,10%,16V,X7R,TP,1608"	
C244	2203-005005	"C-CERAMIC,CHIP"	"100nF,10%,16V,X7R,TP,1608"	
C245	2402-000176	"C-AL,SMD"	"10uF,20%,16V,GP,TP,4.3x4.3x5.4"	
C246	2402-001042	"C-AL,SMD"	"100uF,20%,16V,GP,TP,6.6x6.6x5.4mm"	
C247	2203-005005	"C-CERAMIC,CHIP"	"100nF,10%,16V,X7R,TP,1608"	
C248	2203-005005	"C-CERAMIC,CHIP"	"100nF,10%,16V,X7R,TP,1608"	
C249	2203-005005	"C-CERAMIC,CHIP"	"100nF,10%,16V,X7R,TP,1608"	
C250	2203-005005	"C-CERAMIC,CHIP"	"100nF,10%,16V,X7R,TP,1608"	
C251	2203-005005	"C-CERAMIC,CHIP"	"100nF,10%,16V,X7R,TP,1608"	
C252	2203-005005	"C-CERAMIC,CHIP"	"100nF,10%,16V,X7R,TP,1608"	

Loc. No.	Code No.	Description	Specification	Remarks
C253	2203-005005	"C-CERAMIC,CHIP"	"100nF,10%,16V,X7R,TP,1608"	
C254	2402-000176	"C-AL,SMD"	"10uF,20%,16V,GP,TP,4.3x4.3x5.4"	
C255	2203-005005	"C-CERAMIC,CHIP"	"100nF,10%,16V,X7R,TP,1608"	
C256	2203-005005	"C-CERAMIC,CHIP"	"100nF,10%,16V,X7R,TP,1608"	
C257	2203-000257	"C-CERAMIC,CHIP"	"10nF,10%,50V,X7R,TP,1608"	
C258	2203-000257	"C-CERAMIC,CHIP"	"10nF,10%,50V,X7R,TP,1608"	
C259	2203-000972	"C-CERAMIC,CHIP"	"47nF,10%,16V,X7R,TP,1608"	
C260	2203-000972	"C-CERAMIC,CHIP"	"47nF,10%,16V,X7R,TP,1608"	
C261	2203-000972	"C-CERAMIC,CHIP"	"47nF,10%,16V,X7R,TP,1608"	
C262	2203-000384	"C-CERAMIC,CHIP"	"0.015nF,5%,50V,NP0,TP,1608"	
C263	2203-000384	"C-CERAMIC,CHIP"	"0.015nF,5%,50V,NP0,TP,1608"	
C264	2203-000384	"C-CERAMIC,CHIP"	"0.015nF,5%,50V,NP0,TP,1608"	
C265	2203-005005	"C-CERAMIC,CHIP"	"100nF,10%,16V,X7R,TP,1608"	
C266	2402-001042	"C-AL,SMD"	"100uF,20%,16V,GP,TP,6.6x6.6x5.4mm"	
C267	2203-000815	"C-CERAMIC,CHIP"	"0.033nF,5%,50V,NP0,TP,1608"	
C300	2402-000176	"C-AL,SMD"	"10uF,20%,16V,GP,TP,4.3x4.3x5.4"	
C301	2203-005005	"C-CERAMIC,CHIP"	"100nF,10%,16V,X7R,TP,1608"	
C302	2402-001042	"C-AL,SMD"	"100uF,20%,16V,GP,TP,6.6x6.6x5.4mm"	
C303	2402-001044	"C-AL,SMD"	"100uF,20%,25V,-,TP,8.3x8.3x6.3"	
C304	2203-000257	"C-CERAMIC,CHIP"	"10nF,10%,50V,X7R,TP,1608"	
C305	2203-000257	"C-CERAMIC,CHIP"	"10nF,10%,50V,X7R,TP,1608"	
C307	2203-000257	"C-CERAMIC,CHIP"	"10nF,10%,50V,X7R,TP,1608"	
C308	2203-000257	"C-CERAMIC,CHIP"	"10nF,10%,50V,X7R,TP,1608"	
C311	2203-005005	"C-CERAMIC,CHIP"	"100nF,10%,16V,X7R,TP,1608"	
C312	2402-001044	"C-AL,SMD"	"100uF,20%,25V,-,TP,8.3x8.3x6.3"	
C313	2203-000257	"C-CERAMIC,CHIP"	"10nF,10%,50V,X7R,TP,1608"	
C314	2203-000257	"C-CERAMIC,CHIP"	"10nF,10%,50V,X7R,TP,1608"	
C315	2402-001042	"C-AL,SMD"	"100uF,20%,16V,GP,TP,6.6x6.6x5.4mm"	
C316	2402-001042	"C-AL,SMD"	"100uF,20%,16V,GP,TP,6.6x6.6x5.4mm"	
C317	2203-005005	"C-CERAMIC,CHIP"	"100nF,10%,16V,X7R,TP,1608"	
C318	2402-001042	"C-AL,SMD"	"100uF,20%,16V,GP,TP,6.6x6.6x5.4mm"	
C319	2203-005005	"C-CERAMIC,CHIP"	"100nF,10%,16V,X7R,TP,1608"	
C320	2402-001042	"C-AL,SMD"	"100uF,20%,16V,GP,TP,6.6x6.6x5.4mm"	
C321	2203-000257	"C-CERAMIC,CHIP"	"10nF,10%,50V,X7R,TP,1608"	
C322	2402-001044	"C-AL,SMD"	"100uF,20%,25V,-,TP,8.3x8.3x6.3"	
C323	2203-005005	"C-CERAMIC,CHIP"	"100nF,10%,16V,X7R,TP,1608"	
C324	2203-005005	"C-CERAMIC,CHIP"	"100nF,10%,16V,X7R,TP,1608"	
C325	2203-005005	"C-CERAMIC,CHIP"	"100nF,10%,16V,X7R,TP,1608"	
C326	2203-005005	"C-CERAMIC,CHIP"	"100nF,10%,16V,X7R,TP,1608"	
C327	2203-005005	"C-CERAMIC,CHIP"	"100nF,10%,16V,X7R,TP,1608"	
C328	2203-005005	"C-CERAMIC,CHIP"	"100nF,10%,16V,X7R,TP,1608"	
C329	2402-001042	"C-AL,SMD"	"100uF,20%,16V,GP,TP,6.6x6.6x5.4mm"	
C330	2203-005005	"C-CERAMIC,CHIP"	"100nF,10%,16V,X7R,TP,1608"	
C331	2203-005005	"C-CERAMIC,CHIP"	"100nF,10%,16V,X7R,TP,1608"	
C332	2203-005005	"C-CERAMIC,CHIP"	"100nF,10%,16V,X7R,TP,1608"	
C333	2203-005005	"C-CERAMIC,CHIP"	"100nF,10%,16V,X7R,TP,1608"	
C334	2203-005005	"C-CERAMIC,CHIP"	"100nF,10%,16V,X7R,TP,1608"	
C335	2203-005005	"C-CERAMIC,CHIP"	"100nF,10%,16V,X7R,TP,1608"	
C336	2203-005005	"C-CERAMIC,CHIP"	"100nF,10%,16V,X7R,TP,1608"	
C337	2203-005005	"C-CERAMIC,CHIP"	"100nF,10%,16V,X7R,TP,1608"	
C338	2402-000176	"C-AL,SMD"	"10uF,20%,16V,GP,TP,4.3x4.3x5.4"	
C339	2402-000176	"C-AL,SMD"	"10uF,20%,16V,GP,TP,4.3x4.3x5.4"	
C340	2203-005005	"C-CERAMIC,CHIP"	"100nF,10%,16V,X7R,TP,1608"	

## 7 Electrical Parts List

Loc. No.	Code No.	Description	Specification	Remarks
C341	2203-005005	"C-CERAMIC,CHIP"	"100nF,10%,16V,X7R,TP,1608"	
C342	2203-005005	"C-CERAMIC,CHIP"	"100nF,10%,16V,X7R,TP,1608"	
C343	2402-000176	"C-AL,SMD"	"10uF,20%,16V,GP,TP,4.3x4.3x5.4"	
C344	2203-005005	"C-CERAMIC,CHIP"	"100nF,10%,16V,X7R,TP,1608"	
C345	2203-005005	"C-CERAMIC,CHIP"	"100nF,10%,16V,X7R,TP,1608"	
C346	2203-005005	"C-CERAMIC,CHIP"	"100nF,10%,16V,X7R,TP,1608"	
C347	2402-001042	"C-AL,SMD"	"100uF,20%,16V,GP,TP,6.6x6.6x5.4mm"	
C348	2203-005005	"C-CERAMIC,CHIP"	"100nF,10%,16V,X7R,TP,1608"	
C349	2203-005005	"C-CERAMIC,CHIP"	"100nF,10%,16V,X7R,TP,1608"	
C400	2203-005005	"C-CERAMIC,CHIP"	"100nF,10%,16V,X7R,TP,1608"	
C401	2203-005005	"C-CERAMIC,CHIP"	"100nF,10%,16V,X7R,TP,1608"	
C402	2203-005005	"C-CERAMIC,CHIP"	"100nF,10%,16V,X7R,TP,1608"	
C403	2203-005005	"C-CERAMIC,CHIP"	"100nF,10%,16V,X7R,TP,1608"	
C404	2203-005005	"C-CERAMIC,CHIP"	"100nF,10%,16V,X7R,TP,1608"	
C405	2203-005005	"C-CERAMIC,CHIP"	"100nF,10%,16V,X7R,TP,1608"	
C406	2203-005005	"C-CERAMIC,CHIP"	"100nF,10%,16V,X7R,TP,1608"	
C407	2203-005005	"C-CERAMIC,CHIP"	"100nF,10%,16V,X7R,TP,1608"	
C408	2203-005005	"C-CERAMIC,CHIP"	"100nF,10%,16V,X7R,TP,1608"	
C409	2203-005005	"C-CERAMIC,CHIP"	"100nF,10%,16V,X7R,TP,1608"	
C410	2203-005005	"C-CERAMIC,CHIP"	"100nF,10%,16V,X7R,TP,1608"	
C411	2203-005005	"C-CERAMIC,CHIP"	"100nF,10%,16V,X7R,TP,1608"	
C412	2203-005005	"C-CERAMIC,CHIP"	"100nF,10%,16V,X7R,TP,1608"	
C413	2203-005005	"C-CERAMIC,CHIP"	"100nF,10%,16V,X7R,TP,1608"	
C414	2203-005005	"C-CERAMIC,CHIP"	"100nF,10%,16V,X7R,TP,1608"	
C415	2203-005005	"C-CERAMIC,CHIP"	"100nF,10%,16V,X7R,TP,1608"	
C416	2203-005005	"C-CERAMIC,CHIP"	"100nF,10%,16V,X7R,TP,1608"	
C417	2203-005005	"C-CERAMIC,CHIP"	"100nF,10%,16V,X7R,TP,1608"	
C418	2203-005005	"C-CERAMIC,CHIP"	"100nF,10%,16V,X7R,TP,1608"	
C419	2203-005005	"C-CERAMIC,CHIP"	"100nF,10%,16V,X7R,TP,1608"	
C420	2203-005005	"C-CERAMIC,CHIP"	"100nF,10%,16V,X7R,TP,1608"	
C421	2203-005005	"C-CERAMIC,CHIP"	"100nF,10%,16V,X7R,TP,1608"	
C422	2203-005005	"C-CERAMIC,CHIP"	"100nF,10%,16V,X7R,TP,1608"	
C423	2203-005005	"C-CERAMIC,CHIP"	"100nF,10%,16V,X7R,TP,1608"	
C424	2203-005005	"C-CERAMIC,CHIP"	"100nF,10%,16V,X7R,TP,1608"	
C425	2402-001042	"C-AL,SMD"	"100uF,20%,16V,GP,TP,6.6x6.6x5.4mm"	
C426	2402-001042	"C-AL,SMD"	"100uF,20%,16V,GP,TP,6.6x6.6x5.4mm"	
C427	2203-000280	"C-CERAMIC,CHIP"	"0.01nF,0.5pF,50V,NP0,TP,1608"	
C428	2203-000384	"C-CERAMIC,CHIP"	"0.015nF,5%,50V,NP0,TP,1608"	
C429	2203-000626	"C-CERAMIC,CHIP"	"0.022nF,5%,50V,NP0,TP,1608"	
C430	2203-000626	"C-CERAMIC,CHIP"	"0.022nF,5%,50V,NP0,TP,1608"	
C431	2203-000455	"C-CERAMIC,CHIP"	"1nF,5%,50V,NP0,TP,2012"	
C432	2402-000176	"C-AL,SMD"	"10uF,20%,16V,GP,TP,4.3x4.3x5.4"	
C433	2203-005005	"C-CERAMIC,CHIP"	"100nF,10%,16V,X7R,TP,1608"	
C434	2203-005005	"C-CERAMIC,CHIP"	"100nF,10%,16V,X7R,TP,1608"	
C435	2203-000384	"C-CERAMIC,CHIP"	"0.015nF,5%,50V,NP0,TP,1608"	
C436	2203-005005	"C-CERAMIC,CHIP"	"100nF,10%,16V,X7R,TP,1608"	
C437	2203-005005	"C-CERAMIC,CHIP"	"100nF,10%,16V,X7R,TP,1608"	
C438	2203-005005	"C-CERAMIC,CHIP"	"100nF,10%,16V,X7R,TP,1608"	
C439	2203-005005	"C-CERAMIC,CHIP"	"100nF,10%,16V,X7R,TP,1608"	
C440	2203-005005	"C-CERAMIC,CHIP"	"100nF,10%,16V,X7R,TP,1608"	
C441	2203-005005	"C-CERAMIC,CHIP"	"100nF,10%,16V,X7R,TP,1608"	

Loc. No.	Code No.	Description	Specification	Remarks
C442	2203-005005	"C-CERAMIC,CHIP"	"100nF,10%,16V,X7R,TP,1608"	
C443	2203-005005	"C-CERAMIC,CHIP"	"100nF,10%,16V,X7R,TP,1608"	
C444	2203-005005	"C-CERAMIC,CHIP"	"100nF,10%,16V,X7R,TP,1608"	
C445	2203-005005	"C-CERAMIC,CHIP"	"100nF,10%,16V,X7R,TP,1608"	
C446	2203-005005	"C-CERAMIC,CHIP"	"100nF,10%,16V,X7R,TP,1608"	
C447	2203-005005	"C-CERAMIC,CHIP"	"100nF,10%,16V,X7R,TP,1608"	
C448	2203-005005	"C-CERAMIC,CHIP"	"100nF,10%,16V,X7R,TP,1608"	
C449	2203-005005	"C-CERAMIC,CHIP"	"100nF,10%,16V,X7R,TP,1608"	
C450	2203-005005	"C-CERAMIC,CHIP"	"100nF,10%,16V,X7R,TP,1608"	
C500	2203-000257	"C-CERAMIC,CHIP"	"10nF,10%,50V,X7R,TP,1608"	
C501	2402-000176	"C-AL,SMD"	"10uF,20%,16V,GP,TP,4.3x4.3x5.4"	
C502	2203-000257	"C-CERAMIC,CHIP"	"10nF,10%,50V,X7R,TP,1608"	
C503	2402-000176	"C-AL,SMD"	"10uF,20%,16V,GP,TP,4.3x4.3x5.4"	
C504	2203-000257	"C-CERAMIC,CHIP"	"10nF,10%,50V,X7R,TP,1608"	
C505	2402-000176	"C-AL,SMD"	"10uF,20%,16V,GP,TP,4.3x4.3x5.4"	
C506	2402-000176	"C-AL,SMD"	"10uF,20%,16V,GP,TP,4.3x4.3x5.4"	
C507	2203-000626	"C-CERAMIC,CHIP"	"0.022nF,5%,50V,NP0,TP,1608"	
C508	2203-000626	"C-CERAMIC,CHIP"	"0.022nF,5%,50V,NP0,TP,1608"	
C509	2203-005005	"C-CERAMIC,CHIP"	"100nF,10%,16V,X7R,TP,1608"	
C510	2402-000176	"C-AL,SMD"	"10uF,20%,16V,GP,TP,4.3x4.3x5.4"	
C511	2203-000257	"C-CERAMIC,CHIP"	"10nF,10%,50V,X7R,TP,1608"	
C512	2402-001042	"C-AL,SMD"	"100uF,20%,16V,GP,TP,6.6x6.6x5.4mm"	
CN301	3711-004070	CONNECTOR-HEADER	"BOX,30P,1R,1.25mm,SMD-A,SN"	SNA
CN302	3711-000556	CONNECTOR-HEADER	"BOX,12P,1R,1.25mm,SMD-A,SN"	SNA
CN303	3711-002050	CONNECTOR-HEADER	"BOX,10P,1R,1.25mm,SMD-A,SN"	SNA
D114	0401-001056	DIODE-SWITCHING	"MMBD4148SE,75V,600mA,SOT-23,TP"	
D115	0401-001056	DIODE-SWITCHING	"MMBD4148SE,75V,600mA,SOT-23,TP"	
D116	0401-001056	DIODE-SWITCHING	"MMBD4148SE,75V,600mA,SOT-23,TP"	
D117	0401-001056	DIODE-SWITCHING	"MMBD4148SE,75V,600mA,SOT-23,TP"	
D118	0401-001056	DIODE-SWITCHING	"MMBD4148SE,75V,600mA,SOT-23,TP"	
D119	0401-001056	DIODE-SWITCHING	"MMBD4148SE,75V,600mA,SOT-23,TP"	
D300	0402-001098	DIODE-RECTIFIER	"SK34,40V,3A,SMC,TP"	
D301	0402-001098	DIODE-RECTIFIER	"SK34,40V,3A,SMC,TP"	
D302	0401-001056	DIODE-SWITCHING	"MMBD4148SE,75V,600mA,SOT-23,TP"	
D303	0401-001056	DIODE-SWITCHING	"MMBD4148SE,75V,600mA,SOT-23,TP"	
FT100	2901-001114	FILTER-EMI SMD	"25VDC,2.0ADC,-,100nF,3.2x1.6x1"	
FT102	2901-001114	FILTER-EMI SMD	"25VDC,2.0ADC,-,100nF,3.2x1.6x1"	
FT103	2901-001114	FILTER-EMI SMD	"25VDC,2.0ADC,-,100nF,3.2x1.6x1"	
FT104	2901-001114	FILTER-EMI SMD	"25VDC,2.0ADC,-,100nF,3.2x1.6x1"	
FT105	2901-001114	FILTER-EMI SMD	"25VDC,2.0ADC,-,100nF,3.2x1.6x1"	
FT107	2901-001114	FILTER-EMI SMD	"25VDC,2.0ADC,-,100nF,3.2x1.6x1"	
FT200	2901-001133	FILTER-EMI SMD	"25V,0.15A,-,33pF,2x1.25x0.8mm,TP"	
FT300	2901-001114	FILTER-EMI SMD	"25VDC,2.0ADC,-,100nF,3.2x1.6x1"	
FT301	2901-001114	FILTER-EMI SMD	"25VDC,2.0ADC,-,100nF,3.2x1.6x1"	
FT302	2901-001114	FILTER-EMI SMD	"25VDC,2.0ADC,-,100nF,3.2x1.6x1"	
FT303	3301-001145	CORE-FERRITE BEAD	"AB,4.5x1.6x1.6mm,-,-"	SNA
FT304	3301-001145	CORE-FERRITE BEAD	"AB,4.5x1.6x1.6mm,-,-"	SNA
FT305	3301-001145	CORE-FERRITE BEAD	"AB,4.5x1.6x1.6mm,-,-"	SNA
FT306	3301-001145	CORE-FERRITE BEAD	"AB,4.5x1.6x1.6mm,-,-"	SNA
FT307	3301-001145	CORE-FERRITE BEAD	"AB,4.5x1.6x1.6mm,-,-"	SNA
FT308	3301-001145	CORE-FERRITE BEAD	"AB,4.5x1.6x1.6mm,-,-"	SNA



## 7 Electrical Parts List

Loc. No.	Code No.	Description	Specification	Remarks
FT400	2901-001114	FILTER-EMI SMD	"25VDC,2.0ADC,-,100nF,3.2x1.6x1"	
FT401	2901-001114	FILTER-EMI SMD	"25VDC,2.0ADC,-,100nF,3.2x1.6x1"	
FT402	2901-001114	FILTER-EMI SMD	"25VDC,2.0ADC,-,100nF,3.2x1.6x1"	
FT403	2901-001114	FILTER-EMI SMD	"25VDC,2.0ADC,-,100nF,3.2x1.6x1"	
FT404	2901-001114	FILTER-EMI SMD	"25VDC,2.0ADC,-,100nF,3.2x1.6x1"	
FT405	2901-001114	FILTER-EMI SMD	"25VDC,2.0ADC,-,100nF,3.2x1.6x1"	
FT500	2901-001114	FILTER-EMI SMD	"25VDC,2.0ADC,-,100nF,3.2x1.6x1"	
FT501	2901-001114	FILTER-EMI SMD	"25VDC,2.0ADC,-,100nF,3.2x1.6x1"	
IC100	0803-000117	IC-TTL	"74F14,INVERTER,SOP,14P,150MIL,"	
IC103	1103-001164	IC-EEPROM	"24LC21A,128X8BIT,SOP,8P,150MIL,-,5V,10%,PLASTIC,0 TO +70C,100UA,CMOS,TP"	
IC104	0803-000106	IC-TTL	"74F132,TRIGGER,SOP,14P,150MIL,"	
IC107	1204-001551	IC-VIDEO SYSTEM	"GS1881,SON,8P,150MIL,PLASTIC,13.2V,-,0TO+70C,TP,VIDEO SYNC SEPARATOR"	
IC108	0801-002171	IC-CMOS LOGIC	"74LCX125,BUS BUFFER,SOP,14P,15"	
IC200	1203-001801	IC-POSIFIXED REG.	"3300,SOT-23,6P,70MIL,PLASTIC,3.3V,-,55TO+125C,50MA,-,TP"	
IC201	1002-001204	IC-A/D CONVERTER	"AD9884AKS-140,8BIT,QFP,128P,-,2.5V,5LSB,TR,CMOS,PLASTIC,4V,0to+70C,570mW,Flat Pan"	
IC300	1203-001448	IC-POSIFIXED REG.	"2596,TO-263,5P,-,PLASTIC,4.750"	
IC302	1205-001870	IC-TRANSMITTER	"DS90C387VJ,D,QFP,100P,550MIL,PLASTIC,3.6V,2.8W,-,10to+70C,TR,Dual Pixel LVDS"	
IC303	1203-001447	IC-POSIFIXED REG.	"2596,TO-263,5P,-,PLASTIC,3.135"	
IC400	BN09-00001A	IC-OSD PROCESSOR	"LCD,MTV121P-31,16P,-"	
IC401	1003-001349	IC-LCD CONTROLLER	"gm24S,BGA,292P,1063MIL,-,TR,PLASTIC,-,0to+70C,-,2.4V,-"	
IC402	1105-001165	IC-DRAM	"416S1020,512Kx16BITx2,TSOP,50P"	
IC403	1105-001165	IC-DRAM	"416S1020,512Kx16BITx2,TSOP,50P"	
IC404	1105-001165	IC-DRAM	"416S1020,512Kx16BITx2,TSOP,50P"	
IC501	1103-001163	IC-EEPROM	"S524C80D41,512x8BIT,SOP,8P,150MIL,10mS,5V,10%,PLASTIC,-25to+70C,10uA,CMOS,TP"	
IC502	1203-001109	IC-VOL. DETECTOR	"7045,SOT-89,3P,-,PLASTIC,4.3/4"	
L200	2703-001334	INDUCTOR-SMD	"1.5uH,10%,2x1.25x0.85mm"	
L201	2703-001070	INDUCTOR-SMD	"100uH,10%,4.5x3.2x3.2mm"	
L202	2703-001334	INDUCTOR-SMD	"1.5uH,10%,2x1.25x0.85mm"	
L203	2703-001334	INDUCTOR-SMD	"1.5uH,10%,2x1.25x0.85mm"	
L204	2703-001334	INDUCTOR-SMD	"1.5uH,10%,2x1.25x0.85mm"	
L205	2703-001070	INDUCTOR-SMD	"100uH,10%,4.5x3.2x3.2mm"	
L206	2703-001778	INDUCTOR-SMD	"3.3UH,20%,3.2X2.5X2.2MM"	
L207	2703-001070	INDUCTOR-SMD	"100uH,10%,4.5x3.2x3.2mm"	
L300	2703-001778	INDUCTOR-SMD	"3.3UH,20%,3.2X2.5X2.2MM"	
L301	2703-001778	INDUCTOR-SMD	"3.3UH,20%,3.2X2.5X2.2MM"	
L302	2703-001778	INDUCTOR-SMD	"3.3UH,20%,3.2X2.5X2.2MM"	
L304	2703-001778	INDUCTOR-SMD	"3.3UH,20%,3.2X2.5X2.2MM"	
L305	2703-001334	INDUCTOR-SMD	"1.5uH,10%,2x1.25x0.85mm"	
L306	2703-001334	INDUCTOR-SMD	"1.5uH,10%,2x1.25x0.85mm"	
L307	2703-001334	INDUCTOR-SMD	"1.5uH,10%,2x1.25x0.85mm"	
L308	2703-001778	INDUCTOR-SMD	"3.3UH,20%,3.2X2.5X2.2MM"	
L309	2703-001334	INDUCTOR-SMD	"1.5uH,10%,2x1.25x0.85mm"	
L310	2703-001334	INDUCTOR-SMD	"1.5uH,10%,2x1.25x0.85mm"	
L311	2703-001334	INDUCTOR-SMD	"1.5uH,10%,2x1.25x0.85mm"	
L312	2703-001334	INDUCTOR-SMD	"1.5uH,10%,2x1.25x0.85mm"	
L313	2703-001334	INDUCTOR-SMD	"1.5uH,10%,2x1.25x0.85mm"	
L314	2703-001334	INDUCTOR-SMD	"1.5uH,10%,2x1.25x0.85mm"	
L315	2703-001334	INDUCTOR-SMD	"1.5uH,10%,2x1.25x0.85mm"	
L316	2703-001334	INDUCTOR-SMD	"1.5uH,10%,2x1.25x0.85mm"	
L317	2703-001334	INDUCTOR-SMD	"1.5uH,10%,2x1.25x0.85mm"	
L318	2703-001778	INDUCTOR-SMD	"3.3UH,20%,3.2X2.5X2.2MM"	

Loc. No.	Code No.	Description	Specification	Remarks
L319	2703-001334	INDUCTOR-SMD	"1.5uH,10%,2x1.25x0.85mm"	
L320	2703-001334	INDUCTOR-SMD	"1.5uH,10%,2x1.25x0.85mm"	
L321	2703-001334	INDUCTOR-SMD	"1.5uH,10%,2x1.25x0.85mm"	
L322	2703-001334	INDUCTOR-SMD	"1.5uH,10%,2x1.25x0.85mm"	
L323	2703-001334	INDUCTOR-SMD	"1.5uH,10%,2x1.25x0.85mm"	
L324	2703-001334	INDUCTOR-SMD	"1.5uH,10%,2x1.25x0.85mm"	
L325	2703-001334	INDUCTOR-SMD	"1.5uH,10%,2x1.25x0.85mm"	
L326	2703-001334	INDUCTOR-SMD	"1.5uH,10%,2x1.25x0.85mm"	
L327	2703-001334	INDUCTOR-SMD	"1.5uH,10%,2x1.25x0.85mm"	
L328	2703-001334	INDUCTOR-SMD	"1.5uH,10%,2x1.25x0.85mm"	
L329	2703-001334	INDUCTOR-SMD	"1.5uH,10%,2x1.25x0.85mm"	
L330	2703-001778	INDUCTOR-SMD	"3.3uH,20%,3.2X2.5X2.2MM"	
L331	2703-001334	INDUCTOR-SMD	"1.5uH,10%,2x1.25x0.85mm"	
L332	2703-001334	INDUCTOR-SMD	"1.5uH,10%,2x1.25x0.85mm"	
L333	2703-001778	INDUCTOR-SMD	"3.3uH,20%,3.2X2.5X2.2MM"	
L334	BN27-20001A	COIL-CHOKE		
L335	BN27-20001C	COIL-SMD		
L400	2703-001334	INDUCTOR-SMD	"1.5uH,10%,2x1.25x0.85mm"	
L500	2703-001334	INDUCTOR-SMD	"1.5uH,10%,2x1.25x0.85mm"	
L501	2703-001334	INDUCTOR-SMD	"1.5uH,10%,2x1.25x0.85mm"	
L502	2703-001334	INDUCTOR-SMD	"1.5uH,10%,2x1.25x0.85mm"	
L503	2703-001334	INDUCTOR-SMD	"1.5uH,10%,2x1.25x0.85mm"	
MP1.0	BN41-00045A	PCB MAIN	"cn17ms,-,-,-,1.6t,223*118.9,-,-,-"	
Q300	0501-002080	TR-SMALL SIGNAL	"2SC2412K,NPN,200mW,SC-59,TP,120-270"	
Q301	0501-002080	TR-SMALL SIGNAL	"2SC2412K,NPN,200mW,SC-59,TP,120-270"	
Q302	0501-002080	TR-SMALL SIGNAL	"2SC2412K,NPN,200mW,SC-59,TP,120-270"	
Q500	0501-002080	TR-SMALL SIGNAL	"2SC2412K,NPN,200mW,SC-59,TP,120-270"	
Q501	0501-002080	TR-SMALL SIGNAL	"2SC2412K,NPN,200mW,SC-59,TP,120-270"	
R113	2007-000092	R-CHIP	"15Kohm,5%,1/16W,DA,TP,1608"	
R114	2007-000092	R-CHIP	"15Kohm,5%,1/16W,DA,TP,1608"	
R115	2007-000074	R-CHIP	"100ohm,5%,1/16W,DA,TP,1608"	
R116	2007-000074	R-CHIP	"100ohm,5%,1/16W,DA,TP,1608"	
R117	2007-000074	R-CHIP	"100ohm,5%,1/16W,DA,TP,1608"	
R126	2007-000113	R-CHIP	"33ohm,5%,1/16W,DA,TP,1608"	
R127	2007-000113	R-CHIP	"33ohm,5%,1/16W,DA,TP,1608"	
R128	2007-000113	R-CHIP	"33ohm,5%,1/16W,DA,TP,1608"	
R129	2007-001167	R-CHIP	"75ohm,5%,1/16W,DA,TP,1608"	
R130	2007-001167	R-CHIP	"75ohm,5%,1/16W,DA,TP,1608"	
R131	2007-001167	R-CHIP	"75ohm,5%,1/16W,DA,TP,1608"	
R132	2007-000074	R-CHIP	"100ohm,5%,1/16W,DA,TP,1608"	
R133	2007-000074	R-CHIP	"100ohm,5%,1/16W,DA,TP,1608"	
R135	2007-000074	R-CHIP	"100ohm,5%,1/16W,DA,TP,1608"	
R136	2007-000080	R-CHIP	"2Kohm,5%,1/16W,DA,TP,1608"	
R137	2007-000074	R-CHIP	"100ohm,5%,1/16W,DA,TP,1608"	
R139	2007-000080	R-CHIP	"2Kohm,5%,1/16W,DA,TP,1608"	
R147	2007-000116	R-CHIP	"120ohm,5%,1/16W,DA,TP,1608"	
R148	2007-001114	R-CHIP	"680Kohm,5%,1/16W,DA,TP,1608"	
R149	2007-000084	R-CHIP	"4.7Kohm,5%,1/16W,DA,TP,1608"	
R151	2007-000070	R-CHIP	"0ohm,5%,1/16W,DA,TP,1608"	
R153	2007-000070	R-CHIP	"0ohm,5%,1/16W,DA,TP,1608"	
R154	2007-000070	R-CHIP	"0ohm,5%,1/16W,DA,TP,1608"	

## 7 Electrical Parts List

Loc. No.	Code No.	Description	Specification	Remarks
R155	2007-000070	R-CHIP	"0ohm,5%,1/16W,DA,TP,1608"	
R156	2007-000070	R-CHIP	"0ohm,5%,1/16W,DA,TP,1608"	
R157	2007-000070	R-CHIP	"0ohm,5%,1/16W,DA,TP,1608"	
R158	2007-000113	R-CHIP	"33ohm,5%,1/16W,DA,TP,1608"	
R159	2007-000070	R-CHIP	"0ohm,5%,1/16W,DA,TP,1608"	
R160	2007-000070	R-CHIP	"0ohm,5%,1/16W,DA,TP,1608"	
R208	2007-000102	R-CHIP	"100Kohm,5%,1/16W,DA,TP,1608"	
R209	2007-000239	R-CHIP	"1.5Kohm,1%,1/16W,DA,TP,1608"	
R210	2007-000084	R-CHIP	"4.7Kohm,5%,1/16W,DA,TP,1608"	
R211	2007-000084	R-CHIP	"4.7Kohm,5%,1/16W,DA,TP,1608"	
R212	2007-000071	R-CHIP	"22ohm,5%,1/16W,DA,TP,1608"	
R213	2007-000071	R-CHIP	"22ohm,5%,1/16W,DA,TP,1608"	
R214	2007-000071	R-CHIP	"22ohm,5%,1/16W,DA,TP,1608"	
R215	2007-000071	R-CHIP	"22ohm,5%,1/16W,DA,TP,1608"	
R216	2007-000071	R-CHIP	"22ohm,5%,1/16W,DA,TP,1608"	
R217	2007-000090	R-CHIP	"10Kohm,5%,1/16W,DA,TP,1608"	
R218	2007-000090	R-CHIP	"10Kohm,5%,1/16W,DA,TP,1608"	
R219	2007-000090	R-CHIP	"10Kohm,5%,1/16W,DA,TP,1608"	
R220	2007-000090	R-CHIP	"10Kohm,5%,1/16W,DA,TP,1608"	
R221	2007-000071	R-CHIP	"22ohm,5%,1/16W,DA,TP,1608"	
R222	2007-000070	R-CHIP	"0ohm,5%,1/16W,DA,TP,1608"	
R300	2007-000102	R-CHIP	"100Kohm,5%,1/16W,DA,TP,1608"	
R301	2007-000084	R-CHIP	"4.7Kohm,5%,1/16W,DA,TP,1608"	
R302	2007-000102	R-CHIP	"100Kohm,5%,1/16W,DA,TP,1608"	
R303	2007-000090	R-CHIP	"10Kohm,5%,1/16W,DA,TP,1608"	
R304	2007-000090	R-CHIP	"10Kohm,5%,1/16W,DA,TP,1608"	
R305	2007-000084	R-CHIP	"4.7Kohm,5%,1/16W,DA,TP,1608"	
R306	2007-000102	R-CHIP	"100Kohm,5%,1/16W,DA,TP,1608"	
R307	2007-000090	R-CHIP	"10Kohm,5%,1/16W,DA,TP,1608"	
R311	2007-000090	R-CHIP	"10Kohm,5%,1/16W,DA,TP,1608"	
R312	2007-000090	R-CHIP	"10Kohm,5%,1/16W,DA,TP,1608"	
R313	2007-000090	R-CHIP	"10Kohm,5%,1/16W,DA,TP,1608"	
R314	2007-000090	R-CHIP	"10Kohm,5%,1/16W,DA,TP,1608"	
R315	2007-000072	R-CHIP	"47ohm,5%,1/16W,DA,TP,1608"	
R316	2007-000090	R-CHIP	"10Kohm,5%,1/16W,DA,TP,1608"	
R317	2007-000090	R-CHIP	"10Kohm,5%,1/16W,DA,TP,1608"	
R318	2007-000070	R-CHIP	"0ohm,5%,1/16W,DA,TP,1608"	
R319	2007-000070	R-CHIP	"0ohm,5%,1/16W,DA,TP,1608"	
R320	2007-000070	R-CHIP	"0ohm,5%,1/16W,DA,TP,1608"	
R321	2007-000070	R-CHIP	"0ohm,5%,1/16W,DA,TP,1608"	
R322	2007-000070	R-CHIP	"0ohm,5%,1/16W,DA,TP,1608"	
R323	2007-000070	R-CHIP	"0ohm,5%,1/16W,DA,TP,1608"	
R324	2007-000070	R-CHIP	"0ohm,5%,1/16W,DA,TP,1608"	
R325	2007-000070	R-CHIP	"0ohm,5%,1/16W,DA,TP,1608"	
R326	2007-000070	R-CHIP	"0ohm,5%,1/16W,DA,TP,1608"	
R327	2007-000070	R-CHIP	"0ohm,5%,1/16W,DA,TP,1608"	
R328	2007-000070	R-CHIP	"0ohm,5%,1/16W,DA,TP,1608"	
R329	2007-000070	R-CHIP	"0ohm,5%,1/16W,DA,TP,1608"	
R330	2007-000070	R-CHIP	"0ohm,5%,1/16W,DA,TP,1608"	
R331	2007-000070	R-CHIP	"0ohm,5%,1/16W,DA,TP,1608"	
R332	2007-000070	R-CHIP	"0ohm,5%,1/16W,DA,TP,1608"	

Loc. No.	Code No.	Description	Specification	Remarks
R333	2007-000070	R-CHIP	"0ohm,5%,1/16W,DA,TP,1608"	
R334	2007-000070	R-CHIP	"0ohm,5%,1/16W,DA,TP,1608"	
R335	2007-000070	R-CHIP	"0ohm,5%,1/16W,DA,TP,1608"	
R336	2007-000070	R-CHIP	"0ohm,5%,1/16W,DA,TP,1608"	
R337	2007-000070	R-CHIP	"0ohm,5%,1/16W,DA,TP,1608"	
R338	2007-000070	R-CHIP	"0ohm,5%,1/16W,DA,TP,1608"	
R339	2007-000070	R-CHIP	"0ohm,5%,1/16W,DA,TP,1608"	
R34	2007-000090	R-CHIP	"10Kohm,5%,1/16W,DA,TP,1608"	
R401	2007-000071	R-CHIP	"22ohm,5%,1/16W,DA,TP,1608"	
R402	2007-000120	R-CHIP	"680ohm,5%,1/16W,DA,TP,1608"	
R403	2007-000090	R-CHIP	"10Kohm,5%,1/16W,DA,TP,1608"	
R404	2007-000071	R-CHIP	"22ohm,5%,1/16W,DA,TP,1608"	
R405	2007-000071	R-CHIP	"22ohm,5%,1/16W,DA,TP,1608"	
R406	2007-000071	R-CHIP	"22ohm,5%,1/16W,DA,TP,1608"	
R409	2007-000070	R-CHIP	"0ohm,5%,1/16W,DA,TP,1608"	
R410	2007-000070	R-CHIP	"0ohm,5%,1/16W,DA,TP,1608"	
R411	2007-000070	R-CHIP	"0ohm,5%,1/16W,DA,TP,1608"	
R421	2007-000070	R-CHIP	"0ohm,5%,1/16W,DA,TP,1608"	
R422	2007-000070	R-CHIP	"0ohm,5%,1/16W,DA,TP,1608"	
R423	2007-000070	R-CHIP	"0ohm,5%,1/16W,DA,TP,1608"	
R427	2007-000070	R-CHIP	"0ohm,5%,1/16W,DA,TP,1608"	
R431	2007-000070	R-CHIP	"0ohm,5%,1/16W,DA,TP,1608"	
R433	2007-000070	R-CHIP	"0ohm,5%,1/16W,DA,TP,1608"	
R434	2007-000070	R-CHIP	"0ohm,5%,1/16W,DA,TP,1608"	
R435	2007-000070	R-CHIP	"0ohm,5%,1/16W,DA,TP,1608"	
R436	2007-000070	R-CHIP	"0ohm,5%,1/16W,DA,TP,1608"	
R437	2007-000070	R-CHIP	"0ohm,5%,1/16W,DA,TP,1608"	
R438	2007-000070	R-CHIP	"0ohm,5%,1/16W,DA,TP,1608"	
R439	2007-000070	R-CHIP	"0ohm,5%,1/16W,DA,TP,1608"	
R440	2007-000070	R-CHIP	"0ohm,5%,1/16W,DA,TP,1608"	
R441	2007-000090	R-CHIP	"10Kohm,5%,1/16W,DA,TP,1608"	
R444	2007-000090	R-CHIP	"10Kohm,5%,1/16W,DA,TP,1608"	
R445	2007-000090	R-CHIP	"10Kohm,5%,1/16W,DA,TP,1608"	
R448	2007-000090	R-CHIP	"10Kohm,5%,1/16W,DA,TP,1608"	
R449	2007-000090	R-CHIP	"10Kohm,5%,1/16W,DA,TP,1608"	
R452	2007-000090	R-CHIP	"10Kohm,5%,1/16W,DA,TP,1608"	
R453	2007-000090	R-CHIP	"10Kohm,5%,1/16W,DA,TP,1608"	
R456	2007-000090	R-CHIP	"10Kohm,5%,1/16W,DA,TP,1608"	
R457	2007-000090	R-CHIP	"10Kohm,5%,1/16W,DA,TP,1608"	
R460	2007-000090	R-CHIP	"10Kohm,5%,1/16W,DA,TP,1608"	
R462	2007-000090	R-CHIP	"10Kohm,5%,1/16W,DA,TP,1608"	
R464	2007-000090	R-CHIP	"10Kohm,5%,1/16W,DA,TP,1608"	
R466	2007-000090	R-CHIP	"10Kohm,5%,1/16W,DA,TP,1608"	
R468	2007-000090	R-CHIP	"10Kohm,5%,1/16W,DA,TP,1608"	
R469	2007-000070	R-CHIP	"0ohm,5%,1/16W,DA,TP,1608"	
R470	2007-000070	R-CHIP	"0ohm,5%,1/16W,DA,TP,1608"	
R471	2007-000070	R-CHIP	"0ohm,5%,1/16W,DA,TP,1608"	
R472	2007-000070	R-CHIP	"0ohm,5%,1/16W,DA,TP,1608"	
R473	2007-000070	R-CHIP	"0ohm,5%,1/16W,DA,TP,1608"	
R474	2007-000074	R-CHIP	"100ohm,5%,1/16W,DA,TP,1608"	
R475	2007-000074	R-CHIP	"100ohm,5%,1/16W,DA,TP,1608"	

## 7 Electrical Parts List

Loc. No.	Code No.	Description	Specification	Remarks
R476	2007-000084	R-CHIP	"4.7Kohm,5%,1/16W,DA,TP,1608"	
R477	2007-000084	R-CHIP	"4.7Kohm,5%,1/16W,DA,TP,1608"	
R478	2007-000084	R-CHIP	"4.7Kohm,5%,1/16W,DA,TP,1608"	
R479	2007-000090	R-CHIP	"10Kohm,5%,1/16W,DA,TP,1608"	
R501	2007-000076	R-CHIP	"330ohm,5%,1/16W,DA,TP,1608"	
R502	2007-001002	R-CHIP	"510ohm,5%,1/16W,DA,TP,1608"	
R503	2007-001002	R-CHIP	"510ohm,5%,1/16W,DA,TP,1608"	
R504	2007-001002	R-CHIP	"510ohm,5%,1/16W,DA,TP,1608"	
R506	2007-000084	R-CHIP	"4.7Kohm,5%,1/16W,DA,TP,1608"	
R507	2007-000084	R-CHIP	"4.7Kohm,5%,1/16W,DA,TP,1608"	
R508	2007-000084	R-CHIP	"4.7Kohm,5%,1/16W,DA,TP,1608"	
R509	2007-000084	R-CHIP	"4.7Kohm,5%,1/16W,DA,TP,1608"	
R510	2007-000084	R-CHIP	"4.7Kohm,5%,1/16W,DA,TP,1608"	
R511	2007-000076	R-CHIP	"330ohm,5%,1/16W,DA,TP,1608"	
R512	2007-000076	R-CHIP	"330ohm,5%,1/16W,DA,TP,1608"	
R513	2007-001002	R-CHIP	"510ohm,5%,1/16W,DA,TP,1608"	
R514	2007-000084	R-CHIP	"4.7Kohm,5%,1/16W,DA,TP,1608"	
R515	2007-000084	R-CHIP	"4.7Kohm,5%,1/16W,DA,TP,1608"	
R516	2007-000084	R-CHIP	"4.7Kohm,5%,1/16W,DA,TP,1608"	
R517	2007-000084	R-CHIP	"4.7Kohm,5%,1/16W,DA,TP,1608"	
R518	2007-000084	R-CHIP	"4.7Kohm,5%,1/16W,DA,TP,1608"	
R519	2007-000074	R-CHIP	"100ohm,5%,1/16W,DA,TP,1608"	
R520	2007-000074	R-CHIP	"100ohm,5%,1/16W,DA,TP,1608"	
R521	2007-000074	R-CHIP	"100ohm,5%,1/16W,DA,TP,1608"	
R522	2007-000078	R-CHIP	"1Kohm,5%,1/16W,DA,TP,1608"	
R523	2007-000074	R-CHIP	"100ohm,5%,1/16W,DA,TP,1608"	
R524	2007-000074	R-CHIP	"100ohm,5%,1/16W,DA,TP,1608"	
R526	2007-000077	R-CHIP	"470ohm,5%,1/16W,DA,TP,1608"	
R527	2007-000074	R-CHIP	"100ohm,5%,1/16W,DA,TP,1608"	
R528	2007-000074	R-CHIP	"100ohm,5%,1/16W,DA,TP,1608"	
R529	2007-000078	R-CHIP	"1Kohm,5%,1/16W,DA,TP,1608"	
R530	2007-000074	R-CHIP	"100ohm,5%,1/16W,DA,TP,1608"	
R531	2007-000070	R-CHIP	"0ohm,5%,1/16W,DA,TP,1608"	
R532	2007-000074	R-CHIP	"100ohm,5%,1/16W,DA,TP,1608"	
R533	2007-000074	R-CHIP	"100ohm,5%,1/16W,DA,TP,1608"	
R534	2007-000074	R-CHIP	"100ohm,5%,1/16W,DA,TP,1608"	
R535	2007-000074	R-CHIP	"100ohm,5%,1/16W,DA,TP,1608"	
R536	2007-000074	R-CHIP	"100ohm,5%,1/16W,DA,TP,1608"	
R537	2007-000074	R-CHIP	"100ohm,5%,1/16W,DA,TP,1608"	
R538	2007-000074	R-CHIP	"100ohm,5%,1/16W,DA,TP,1608"	
R539	2007-000074	R-CHIP	"100ohm,5%,1/16W,DA,TP,1608"	
R540	2007-000074	R-CHIP	"100ohm,5%,1/16W,DA,TP,1608"	
R541	2007-000074	R-CHIP	"100ohm,5%,1/16W,DA,TP,1608"	
R542	2007-000074	R-CHIP	"100ohm,5%,1/16W,DA,TP,1608"	
R543	2007-000074	R-CHIP	"100ohm,5%,1/16W,DA,TP,1608"	
R544	2007-000074	R-CHIP	"100ohm,5%,1/16W,DA,TP,1608"	
R545	2007-000074	R-CHIP	"100ohm,5%,1/16W,DA,TP,1608"	
R546	2007-000074	R-CHIP	"100ohm,5%,1/16W,DA,TP,1608"	
R547	2007-000074	R-CHIP	"100ohm,5%,1/16W,DA,TP,1608"	
R548	2007-000074	R-CHIP	"100ohm,5%,1/16W,DA,TP,1608"	
R549	2007-000074	R-CHIP	"100ohm,5%,1/16W,DA,TP,1608"	
R550	2007-000074	R-CHIP	"100ohm,5%,1/16W,DA,TP,1608"	

Loc. No.	Code No.	Description	Specification	Remarks
R551	2007-000074	R-CHIP	"100ohm,5%,1/16W,DA,TP,1608"	
R552	2007-000074	R-CHIP	"100ohm,5%,1/16W,DA,TP,1608"	
R553	2007-000074	R-CHIP	"100ohm,5%,1/16W,DA,TP,1608"	
R554	2007-000074	R-CHIP	"100ohm,5%,1/16W,DA,TP,1608"	
R555	2007-000074	R-CHIP	"100ohm,5%,1/16W,DA,TP,1608"	
R556	2007-000084	R-CHIP	"4.7Kohm,5%,1/16W,DA,TP,1608"	
R557	2007-000084	R-CHIP	"4.7Kohm,5%,1/16W,DA,TP,1608"	
R560	2007-000109	R-CHIP	"1Mohm,5%,1/16W,DA,TP,1608"	
R561	2007-000075	R-CHIP	"220ohm,5%,1/16W,DA,TP,1608"	
RA200	2011-000002	R-NETWORK	"22ohm,5%,63mW,L,CHIP,8P,TP"	
RA201	2011-000002	R-NETWORK	"22ohm,5%,63mW,L,CHIP,8P,TP"	
RA202	2011-000002	R-NETWORK	"22ohm,5%,63mW,L,CHIP,8P,TP"	
RA203	2011-000002	R-NETWORK	"22ohm,5%,63mW,L,CHIP,8P,TP"	
RA204	2011-000002	R-NETWORK	"22ohm,5%,63mW,L,CHIP,8P,TP"	
RA205	2011-000002	R-NETWORK	"22ohm,5%,63mW,L,CHIP,8P,TP"	
RA206	2011-000002	R-NETWORK	"22ohm,5%,63mW,L,CHIP,8P,TP"	
RA207	2011-000002	R-NETWORK	"22ohm,5%,63mW,L,CHIP,8P,TP"	
RA208	2011-000002	R-NETWORK	"22ohm,5%,63mW,L,CHIP,8P,TP"	
RA209	2011-000002	R-NETWORK	"22ohm,5%,63mW,L,CHIP,8P,TP"	
RA210	2011-000002	R-NETWORK	"22ohm,5%,63mW,L,CHIP,8P,TP"	
RA211	2011-000002	R-NETWORK	"22ohm,5%,63mW,L,CHIP,8P,TP"	
RA400	2011-000002	R-NETWORK	"22ohm,5%,63mW,L,CHIP,8P,TP"	
RA401	2011-000002	R-NETWORK	"22ohm,5%,63mW,L,CHIP,8P,TP"	
RA402	2011-000002	R-NETWORK	"22ohm,5%,63mW,L,CHIP,8P,TP"	
RA403	2011-000002	R-NETWORK	"22ohm,5%,63mW,L,CHIP,8P,TP"	
RA404	2011-000002	R-NETWORK	"22ohm,5%,63mW,L,CHIP,8P,TP"	
RA405	2011-000002	R-NETWORK	"22ohm,5%,63mW,L,CHIP,8P,TP"	
RA406	2011-000002	R-NETWORK	"22ohm,5%,63mW,L,CHIP,8P,TP"	
RA407	2011-000002	R-NETWORK	"22ohm,5%,63mW,L,CHIP,8P,TP"	
RA408	2011-000002	R-NETWORK	"22ohm,5%,63mW,L,CHIP,8P,TP"	
RA409	2011-000002	R-NETWORK	"22ohm,5%,63mW,L,CHIP,8P,TP"	
RA410	2011-000002	R-NETWORK	"22ohm,5%,63mW,L,CHIP,8P,TP"	
RA411	2011-000002	R-NETWORK	"22ohm,5%,63mW,L,CHIP,8P,TP"	
X400	2801-003981	CRYSTAL-SMD	"50MHz,30ppm,28-ABX,20pF,80ohm,TP"	
X500	2801-003773	CRYSTAL-SMD	"12MHZ,30PPM,28-AAN,20PF,500HM,TP"	
ZD103	0403-000579	DIODE-ZENER	"BZX84C5V1,5.1V,5%,200mW,SOT-23"	
ZD104	0403-000579	DIODE-ZENER	"BZX84C5V1,5.1V,5%,200mW,SOT-23"	
ZD500	0403-000579	DIODE-ZENER	"BZX84C5V1,5.1V,5%,200mW,SOT-23"	

## 7-4 Others

Loc. No.	Code No.	Description	Specification	Remarks
LCD	BN07-00018A	LCD PANNEL	"LTM170E4-L01,LSA,8BIT,341.52*273.936,16.7M,30,-,-,-,AMLCD/2 LVDS,-"	SNA
PROCESS PBA UNIT	BN94-00071A	ASSY PCB-FT	"CN17ASF(ANALOG),-,-,-"	
B/D ASS'Y CODE	BN98-00015M	ASSY PCB/MAIN-FT	"CN17ASF(ANALOG),-,-,-"	
ADAPTER	BN44-00024A	ADAPTER	"90-264VAC,AD-4214(O)S,-,14VDC,3A/14VDC,-"	
INVERTER	BN44-00038A	INVERTER	"TX17PO,SIC1802,48KHZ,14VDC,1.5mAs,7.2mArms,48KHZ,160*45*17,4LAMP,48KHZ,1.7KVrms,-"	
S/CABLE	BN39-00114A	CBF-SIGNAL	"NL15MO, 15P/15P, 2990, 1830MM, UL2990, IVORY, D-SUB/MALE,-,-,-"	
P/CORD	BH39-10339E	CBF-POWER/CORD	"DET,SVT,125V 7A/10A,IVORY,1830"	

## 7-5 Main PCB Parts (CN18A\*)

Loc. No.	Code No.	Description	Specification	Remarks
C318	2409-001004	C-ORGANIC	"100uF,20%,16V,LL,BK,8x10.5mm,3"	SNA SNA SNA
CIS	BN70-00114C	SHIELD-D/SUB	"CN17BS,SPTE,-,T0.5,-,ANALOG TYPE"	
CN101	3701-001219	CONNECTOR-DSUB	"15P,3R,FEMALE,ANGLE,AUF"	
CN300	3722-000117	JACK-DC POWER	"3P,3.5mm,AG,BLK,NO"	
CN304	3711-000056	CONNECTOR-HEADER	"BOX,2P,1R,2.5mm,ANGLE,SN"	SNA
CN500	3711-001465	CONNECTOR-HEADER	"NOWALL,3P,1R,2.54mm,STRAIGHT,A"	SNA
IC500 SOCK	3704-001071	SOCKET-IC	"42P,DIP,SN,1.778mm"	
C100	2203-000257	"C-CERAMIC,CHIP"	"10nF,10%,50V,X7R,TP,1608"	
C105	2402-000176	"C-AL,SMD"	"10uF,20%,16V,GP,TP,4.3x4.3x5.4"	
C107	2203-005005	"C-CERAMIC,CHIP"	"100nF,10%,16V,X7R,TP,1608"	
C108	2203-005005	"C-CERAMIC,CHIP"	"100nF,10%,16V,X7R,TP,1608"	
C116	2203-000257	"C-CERAMIC,CHIP"	"10nF,10%,50V,X7R,TP,1608"	
C117	2402-000176	"C-AL,SMD"	"10uF,20%,16V,GP,TP,4.3x4.3x5.4"	
C118	2203-000257	"C-CERAMIC,CHIP"	"10nF,10%,50V,X7R,TP,1608"	
C119	2402-000176	"C-AL,SMD"	"10uF,20%,16V,GP,TP,4.3x4.3x5.4"	
C120	2203-000257	"C-CERAMIC,CHIP"	"10nF,10%,50V,X7R,TP,1608"	
C121	2402-000176	"C-AL,SMD"	"10uF,20%,16V,GP,TP,4.3x4.3x5.4"	
C122	2203-000257	"C-CERAMIC,CHIP"	"10nF,10%,50V,X7R,TP,1608"	
C123	2402-000176	"C-AL,SMD"	"10uF,20%,16V,GP,TP,4.3x4.3x5.4"	
C124	2203-005005	"C-CERAMIC,CHIP"	"100nF,10%,16V,X7R,TP,1608"	
C125	2203-005005	"C-CERAMIC,CHIP"	"100nF,10%,16V,X7R,TP,1608"	
C126	2203-000257	"C-CERAMIC,CHIP"	"10nF,10%,50V,X7R,TP,1608"	
C127	2402-000176	"C-AL,SMD"	"10uF,20%,16V,GP,TP,4.3x4.3x5.4"	
C225	2402-000176	"C-AL,SMD"	"10uF,20%,16V,GP,TP,4.3x4.3x5.4"	
C226	2203-005005	"C-CERAMIC,CHIP"	"100nF,10%,16V,X7R,TP,1608"	
C227	2203-005005	"C-CERAMIC,CHIP"	"100nF,10%,16V,X7R,TP,1608"	
C228	2203-005005	"C-CERAMIC,CHIP"	"100nF,10%,16V,X7R,TP,1608"	
C229	2203-005005	"C-CERAMIC,CHIP"	"100nF,10%,16V,X7R,TP,1608"	
C230	2203-005005	"C-CERAMIC,CHIP"	"100nF,10%,16V,X7R,TP,1608"	
C231	2203-005005	"C-CERAMIC,CHIP"	"100nF,10%,16V,X7R,TP,1608"	
C232	2203-005005	"C-CERAMIC,CHIP"	"100nF,10%,16V,X7R,TP,1608"	
C233	2203-005005	"C-CERAMIC,CHIP"	"100nF,10%,16V,X7R,TP,1608"	
C234	2203-005005	"C-CERAMIC,CHIP"	"100nF,10%,16V,X7R,TP,1608"	
C235	2203-005005	"C-CERAMIC,CHIP"	"100nF,10%,16V,X7R,TP,1608"	
C236	2203-005005	"C-CERAMIC,CHIP"	"100nF,10%,16V,X7R,TP,1608"	
C237	2203-005005	"C-CERAMIC,CHIP"	"100nF,10%,16V,X7R,TP,1608"	
C238	2203-005005	"C-CERAMIC,CHIP"	"100nF,10%,16V,X7R,TP,1608"	
C239	2203-005005	"C-CERAMIC,CHIP"	"100nF,10%,16V,X7R,TP,1608"	
C240	2203-005005	"C-CERAMIC,CHIP"	"100nF,10%,16V,X7R,TP,1608"	
C241	2203-005005	"C-CERAMIC,CHIP"	"100nF,10%,16V,X7R,TP,1608"	
C242	2203-005005	"C-CERAMIC,CHIP"	"100nF,10%,16V,X7R,TP,1608"	
C243	2203-005005	"C-CERAMIC,CHIP"	"100nF,10%,16V,X7R,TP,1608"	
C244	2203-005005	"C-CERAMIC,CHIP"	"100nF,10%,16V,X7R,TP,1608"	
C245	2402-000176	"C-AL,SMD"	"10uF,20%,16V,GP,TP,4.3x4.3x5.4"	
C246	2402-001042	"C-AL,SMD"	"100uF,20%,16V,GP,TP,6.6x6.6x5.4mm"	
C247	2203-005005	"C-CERAMIC,CHIP"	"100nF,10%,16V,X7R,TP,1608"	
C248	2203-005005	"C-CERAMIC,CHIP"	"100nF,10%,16V,X7R,TP,1608"	

Loc. No.	Code No.	Description	Specification	Remarks
C249	2203-005005	"C-CERAMIC,CHIP"	"100nF,10%,16V,X7R,TP,1608"	
C250	2203-005005	"C-CERAMIC,CHIP"	"100nF,10%,16V,X7R,TP,1608"	
C251	2203-005005	"C-CERAMIC,CHIP"	"100nF,10%,16V,X7R,TP,1608"	
C252	2203-005005	"C-CERAMIC,CHIP"	"100nF,10%,16V,X7R,TP,1608"	
C253	2203-005005	"C-CERAMIC,CHIP"	"100nF,10%,16V,X7R,TP,1608"	
C254	2402-000176	"C-AL,SMD"	"10uF,20%,16V,GP,TP,4.3x4.3x5.4"	
C255	2203-005005	"C-CERAMIC,CHIP"	"100nF,10%,16V,X7R,TP,1608"	
C256	2203-005005	"C-CERAMIC,CHIP"	"100nF,10%,16V,X7R,TP,1608"	
C257	2203-000257	"C-CERAMIC,CHIP"	"10nF,10%,50V,X7R,TP,1608"	
C258	2203-000257	"C-CERAMIC,CHIP"	"10nF,10%,50V,X7R,TP,1608"	
C259	2203-000972	"C-CERAMIC,CHIP"	"47nF,10%,16V,X7R,TP,1608"	
C260	2203-000972	"C-CERAMIC,CHIP"	"47nF,10%,16V,X7R,TP,1608"	
C261	2203-000972	"C-CERAMIC,CHIP"	"47nF,10%,16V,X7R,TP,1608"	
C262	2203-000384	"C-CERAMIC,CHIP"	"0.015nF,5%,50V,NP0,TP,1608"	
C263	2203-000384	"C-CERAMIC,CHIP"	"0.015nF,5%,50V,NP0,TP,1608"	
C264	2203-000384	"C-CERAMIC,CHIP"	"0.015nF,5%,50V,NP0,TP,1608"	
C265	2203-005005	"C-CERAMIC,CHIP"	"100nF,10%,16V,X7R,TP,1608"	
C266	2402-001042	"C-AL,SMD"	"100uF,20%,16V,GP,TP,6.6x6.6x5.4mm"	
C267	2203-000815	"C-CERAMIC,CHIP"	"0.033nF,5%,50V,NP0,TP,1608"	
C301	2402-001042	"C-AL,SMD"	"100uF,20%,16V,GP,TP,6.6x6.6x5.4mm"	
C302	2203-005005	"C-CERAMIC,CHIP"	"100nF,10%,16V,X7R,TP,1608"	
C303	2203-005005	"C-CERAMIC,CHIP"	"100nF,10%,16V,X7R,TP,1608"	
C304	2203-005005	"C-CERAMIC,CHIP"	"100nF,10%,16V,X7R,TP,1608"	
C305	2203-005005	"C-CERAMIC,CHIP"	"100nF,10%,16V,X7R,TP,1608"	
C306	2402-000176	"C-AL,SMD"	"10uF,20%,16V,GP,TP,4.3x4.3x5.4"	
C307	2203-000903	"C-CERAMIC,CHIP"	"0.0047nF,0.25pF,50V,NP0,TP,1608"	
C308	2203-005005	"C-CERAMIC,CHIP"	"100nF,10%,16V,X7R,TP,1608"	
C309	2402-001042	"C-AL,SMD"	"100uF,20%,16V,GP,TP,6.6x6.6x5.4mm"	
C310	2402-001044	"C-AL,SMD"	"100uF,20%,25V,-,TP,8.3x8.3x6.3"	
C311	2203-000257	"C-CERAMIC,CHIP"	"10nF,10%,50V,X7R,TP,1608"	
C312	2203-000257	"C-CERAMIC,CHIP"	"10nF,10%,50V,X7R,TP,1608"	
C313	2402-000176	"C-AL,SMD"	"10uF,20%,16V,GP,TP,4.3x4.3x5.4"	
C314	2203-005005	"C-CERAMIC,CHIP"	"100nF,10%,16V,X7R,TP,1608"	
C315	2203-005005	"C-CERAMIC,CHIP"	"100nF,10%,16V,X7R,TP,1608"	
C316	2203-005005	"C-CERAMIC,CHIP"	"100nF,10%,16V,X7R,TP,1608"	
C317	2203-005005	"C-CERAMIC,CHIP"	"100nF,10%,16V,X7R,TP,1608"	
C319	2203-000257	"C-CERAMIC,CHIP"	"10nF,10%,50V,X7R,TP,1608"	
C320	2203-000257	"C-CERAMIC,CHIP"	"10nF,10%,50V,X7R,TP,1608"	
C323	2203-005005	"C-CERAMIC,CHIP"	"100nF,10%,16V,X7R,TP,1608"	
C324	2203-005005	"C-CERAMIC,CHIP"	"100nF,10%,16V,X7R,TP,1608"	
C325	2203-005005	"C-CERAMIC,CHIP"	"100nF,10%,16V,X7R,TP,1608"	
C326	2402-001044	"C-AL,SMD"	"100uF,20%,25V,-,TP,8.3x8.3x6.3"	
C327	2203-000257	"C-CERAMIC,CHIP"	"10nF,10%,50V,X7R,TP,1608"	
C328	2203-000257	"C-CERAMIC,CHIP"	"10nF,10%,50V,X7R,TP,1608"	
C329	2402-001042	"C-AL,SMD"	"100uF,20%,16V,GP,TP,6.6x6.6x5.4mm"	
C330	2402-001042	"C-AL,SMD"	"100uF,20%,16V,GP,TP,6.6x6.6x5.4mm"	
C331	2203-005005	"C-CERAMIC,CHIP"	"100nF,10%,16V,X7R,TP,1608"	



## 7 Electrical Parts List

Loc. No.	Code No.	Description	Specification	Remarks
C332	2402-000176	"C-AL,SMD"	"10uF,20%,16V,GP,TP,4.3x4.3x5.4"	
C333	2203-005005	"C-CERAMIC,CHIP"	"100nF,10%,16V,X7R,TP,1608"	
C334	2203-005005	"C-CERAMIC,CHIP"	"100nF,10%,16V,X7R,TP,1608"	
C335	2203-005005	"C-CERAMIC,CHIP"	"100nF,10%,16V,X7R,TP,1608"	
C336	2203-005005	"C-CERAMIC,CHIP"	"100nF,10%,16V,X7R,TP,1608"	
C337	2203-005005	"C-CERAMIC,CHIP"	"100nF,10%,16V,X7R,TP,1608"	
C338	2402-001042	"C-AL,SMD"	"100uF,20%,16V,GP,TP,6.6x6.6x5.4mm"	
C339	2203-005005	"C-CERAMIC,CHIP"	"100nF,10%,16V,X7R,TP,1608"	
C340	2402-001042	"C-AL,SMD"	"100uF,20%,16V,GP,TP,6.6x6.6x5.4mm"	
C341	2203-005005	"C-CERAMIC,CHIP"	"100nF,10%,16V,X7R,TP,1608"	
C342	2402-001042	"C-AL,SMD"	"100uF,20%,16V,GP,TP,6.6x6.6x5.4mm"	
C343	2203-005005	"C-CERAMIC,CHIP"	"100nF,10%,16V,X7R,TP,1608"	
C344	2402-000176	"C-AL,SMD"	"10uF,20%,16V,GP,TP,4.3x4.3x5.4"	
C345	2203-005005	"C-CERAMIC,CHIP"	"100nF,10%,16V,X7R,TP,1608"	
C346	2203-005005	"C-CERAMIC,CHIP"	"100nF,10%,16V,X7R,TP,1608"	
C347	2203-000257	"C-CERAMIC,CHIP"	"10nF,10%,50V,X7R,TP,1608"	
C348	2402-001044	"C-AL,SMD"	"100uF,20%,25V,-,TP,8.3x8.3x6.3"	
C349	2203-005005	"C-CERAMIC,CHIP"	"100nF,10%,16V,X7R,TP,1608"	
C350	2203-005005	"C-CERAMIC,CHIP"	"100nF,10%,16V,X7R,TP,1608"	
C351	2203-005005	"C-CERAMIC,CHIP"	"100nF,10%,16V,X7R,TP,1608"	
C352	2203-005005	"C-CERAMIC,CHIP"	"100nF,10%,16V,X7R,TP,1608"	
C353	2203-005005	"C-CERAMIC,CHIP"	"100nF,10%,16V,X7R,TP,1608"	
C354	2203-005005	"C-CERAMIC,CHIP"	"100nF,10%,16V,X7R,TP,1608"	
C355	2402-001042	"C-AL,SMD"	"100uF,20%,16V,GP,TP,6.6x6.6x5.4mm"	
C356	2203-005005	"C-CERAMIC,CHIP"	"100nF,10%,16V,X7R,TP,1608"	
C357	2203-005005	"C-CERAMIC,CHIP"	"100nF,10%,16V,X7R,TP,1608"	
C358	2203-005005	"C-CERAMIC,CHIP"	"100nF,10%,16V,X7R,TP,1608"	
C400	2203-005005	"C-CERAMIC,CHIP"	"100nF,10%,16V,X7R,TP,1608"	
C401	2203-005005	"C-CERAMIC,CHIP"	"100nF,10%,16V,X7R,TP,1608"	
C402	2203-005005	"C-CERAMIC,CHIP"	"100nF,10%,16V,X7R,TP,1608"	
C403	2203-005005	"C-CERAMIC,CHIP"	"100nF,10%,16V,X7R,TP,1608"	
C404	2203-005005	"C-CERAMIC,CHIP"	"100nF,10%,16V,X7R,TP,1608"	
C405	2203-005005	"C-CERAMIC,CHIP"	"100nF,10%,16V,X7R,TP,1608"	
C406	2203-005005	"C-CERAMIC,CHIP"	"100nF,10%,16V,X7R,TP,1608"	
C407	2203-005005	"C-CERAMIC,CHIP"	"100nF,10%,16V,X7R,TP,1608"	
C408	2203-005005	"C-CERAMIC,CHIP"	"100nF,10%,16V,X7R,TP,1608"	
C409	2203-005005	"C-CERAMIC,CHIP"	"100nF,10%,16V,X7R,TP,1608"	
C410	2203-005005	"C-CERAMIC,CHIP"	"100nF,10%,16V,X7R,TP,1608"	
C411	2203-005005	"C-CERAMIC,CHIP"	"100nF,10%,16V,X7R,TP,1608"	
C412	2203-005005	"C-CERAMIC,CHIP"	"100nF,10%,16V,X7R,TP,1608"	
C413	2203-005005	"C-CERAMIC,CHIP"	"100nF,10%,16V,X7R,TP,1608"	
C414	2203-005005	"C-CERAMIC,CHIP"	"100nF,10%,16V,X7R,TP,1608"	
C415	2203-005005	"C-CERAMIC,CHIP"	"100nF,10%,16V,X7R,TP,1608"	
C416	2203-005005	"C-CERAMIC,CHIP"	"100nF,10%,16V,X7R,TP,1608"	
C417	2203-005005	"C-CERAMIC,CHIP"	"100nF,10%,16V,X7R,TP,1608"	
C418	2203-005005	"C-CERAMIC,CHIP"	"100nF,10%,16V,X7R,TP,1608"	
C419	2203-005005	"C-CERAMIC,CHIP"	"100nF,10%,16V,X7R,TP,1608"	

Loc. No.	Code No.	Description	Specification	Remarks
C420	2203-005005	"C-CERAMIC,CHIP"	"100nF,10%,16V,X7R,TP,1608"	
C421	2203-005005	"C-CERAMIC,CHIP"	"100nF,10%,16V,X7R,TP,1608"	
C422	2203-005005	"C-CERAMIC,CHIP"	"100nF,10%,16V,X7R,TP,1608"	
C423	2203-005005	"C-CERAMIC,CHIP"	"100nF,10%,16V,X7R,TP,1608"	
C424	2203-005005	"C-CERAMIC,CHIP"	"100nF,10%,16V,X7R,TP,1608"	
C425	2402-001042	"C-AL,SMD"	"100uF,20%,16V,GP,TP,6.6x6.6x5.4mm"	
C426	2402-001042	"C-AL,SMD"	"100uF,20%,16V,GP,TP,6.6x6.6x5.4mm"	
C427	2203-000280	"C-CERAMIC,CHIP"	"0.01nF,0.5pF,50V,NP0,TP,1608"	
C428	2203-000384	"C-CERAMIC,CHIP"	"0.015nF,5%,50V,NP0,TP,1608"	
C429	2203-000626	"C-CERAMIC,CHIP"	"0.022nF,5%,50V,NP0,TP,1608"	
C430	2203-000626	"C-CERAMIC,CHIP"	"0.022nF,5%,50V,NP0,TP,1608"	
C431	2203-000455	"C-CERAMIC,CHIP"	"1nF,5%,50V,NP0,TP,2012"	
C432	2402-000176	"C-AL,SMD"	"10uF,20%,16V,GP,TP,4.3x4.3x5.4"	
C433	2203-005005	"C-CERAMIC,CHIP"	"100nF,10%,16V,X7R,TP,1608"	
C434	2203-005005	"C-CERAMIC,CHIP"	"100nF,10%,16V,X7R,TP,1608"	
C435	2203-000384	"C-CERAMIC,CHIP"	"0.015nF,5%,50V,NP0,TP,1608"	
C436	2203-005005	"C-CERAMIC,CHIP"	"100nF,10%,16V,X7R,TP,1608"	
C437	2203-005005	"C-CERAMIC,CHIP"	"100nF,10%,16V,X7R,TP,1608"	
C438	2203-005005	"C-CERAMIC,CHIP"	"100nF,10%,16V,X7R,TP,1608"	
C439	2203-005005	"C-CERAMIC,CHIP"	"100nF,10%,16V,X7R,TP,1608"	
C440	2203-005005	"C-CERAMIC,CHIP"	"100nF,10%,16V,X7R,TP,1608"	
C441	2203-005005	"C-CERAMIC,CHIP"	"100nF,10%,16V,X7R,TP,1608"	
C442	2203-005005	"C-CERAMIC,CHIP"	"100nF,10%,16V,X7R,TP,1608"	
C443	2203-005005	"C-CERAMIC,CHIP"	"100nF,10%,16V,X7R,TP,1608"	
C444	2203-005005	"C-CERAMIC,CHIP"	"100nF,10%,16V,X7R,TP,1608"	
C445	2203-005005	"C-CERAMIC,CHIP"	"100nF,10%,16V,X7R,TP,1608"	
C446	2203-005005	"C-CERAMIC,CHIP"	"100nF,10%,16V,X7R,TP,1608"	
C447	2203-005005	"C-CERAMIC,CHIP"	"100nF,10%,16V,X7R,TP,1608"	
C448	2203-005005	"C-CERAMIC,CHIP"	"100nF,10%,16V,X7R,TP,1608"	
C449	2203-005005	"C-CERAMIC,CHIP"	"100nF,10%,16V,X7R,TP,1608"	
C450	2203-005005	"C-CERAMIC,CHIP"	"100nF,10%,16V,X7R,TP,1608"	
C500	2203-000257	"C-CERAMIC,CHIP"	"10nF,10%,50V,X7R,TP,1608"	
C501	2402-000176	"C-AL,SMD"	"10uF,20%,16V,GP,TP,4.3x4.3x5.4"	
C502	2203-000257	"C-CERAMIC,CHIP"	"10nF,10%,50V,X7R,TP,1608"	
C503	2402-000176	"C-AL,SMD"	"10uF,20%,16V,GP,TP,4.3x4.3x5.4"	
C504	2203-000257	"C-CERAMIC,CHIP"	"10nF,10%,50V,X7R,TP,1608"	
C505	2402-000176	"C-AL,SMD"	"10uF,20%,16V,GP,TP,4.3x4.3x5.4"	
C506	2402-000176	"C-AL,SMD"	"10uF,20%,16V,GP,TP,4.3x4.3x5.4"	
C507	2203-000626	"C-CERAMIC,CHIP"	"0.022nF,5%,50V,NP0,TP,1608"	
C508	2203-000626	"C-CERAMIC,CHIP"	"0.022nF,5%,50V,NP0,TP,1608"	
C509	2203-005005	"C-CERAMIC,CHIP"	"100nF,10%,16V,X7R,TP,1608"	
C510	2402-000176	"C-AL,SMD"	"10uF,20%,16V,GP,TP,4.3x4.3x5.4"	
C511	2203-000257	"C-CERAMIC,CHIP"	"10nF,10%,50V,X7R,TP,1608"	
C512	2402-001042	"C-AL,SMD"	"100uF,20%,16V,GP,TP,6.6x6.6x5.4mm"	
CIS	BN46-00007J	"MICOM-S/W,CN18A(ANALOG)"	"CN18AS(ANALOG),-, -, -, -, -, -"	SNA
CN302	3711-000556	CONNECTOR-HEADER	"BOX,12P,1R,1.25mm,SMD-A,SN"	SNA
CN303	3711-002050	CONNECTOR-HEADER	"BOX,10P,1R,1.25mm,SMD-A,SN"	SNA

## 7 Electrical Parts List

Loc. No.	Code No.	Description	Specification	Remarks
CN305	3711-004130	CONNECTOR-HEADER	"BOX,31P,2R,0.625mm,SMD-A,AUF"	SNA
D114	0401-001056	DIODE-SWITCHING	"MMBD4148SE,75V,600mA,SOT-23,TP"	
D115	0401-001056	DIODE-SWITCHING	"MMBD4148SE,75V,600mA,SOT-23,TP"	
D116	0401-001056	DIODE-SWITCHING	"MMBD4148SE,75V,600mA,SOT-23,TP"	
D117	0401-001056	DIODE-SWITCHING	"MMBD4148SE,75V,600mA,SOT-23,TP"	
D118	0401-001056	DIODE-SWITCHING	"MMBD4148SE,75V,600mA,SOT-23,TP"	
D119	0401-001056	DIODE-SWITCHING	"MMBD4148SE,75V,600mA,SOT-23,TP"	
D300	0402-001098	DIODE-RECTIFIER	"SK34,40V,3A,SMC,TP"	
D301	0402-001098	DIODE-RECTIFIER	"SK34,40V,3A,SMC,TP"	
D302	0401-001056	DIODE-SWITCHING	"MMBD4148SE,75V,600mA,SOT-23,TP"	
D303	0401-001056	DIODE-SWITCHING	"MMBD4148SE,75V,600mA,SOT-23,TP"	
FT100	2901-001114	FILTER-EMI SMD	"25VDC,2.0ADC,-,100nF,3.2x1.6x1"	
FT102	2901-001114	FILTER-EMI SMD	"25VDC,2.0ADC,-,100nF,3.2x1.6x1"	
FT103	2901-001114	FILTER-EMI SMD	"25VDC,2.0ADC,-,100nF,3.2x1.6x1"	
FT104	2901-001114	FILTER-EMI SMD	"25VDC,2.0ADC,-,100nF,3.2x1.6x1"	
FT105	2901-001114	FILTER-EMI SMD	"25VDC,2.0ADC,-,100nF,3.2x1.6x1"	
FT107	2901-001114	FILTER-EMI SMD	"25VDC,2.0ADC,-,100nF,3.2x1.6x1"	
FT200	2901-001133	FILTER-EMI SMD	"25V,0.15A,-,33pF,2x1.25x0.8mm,TP"	
FT301	3301-001145	CORE-FERRITE BEAD	"AB,4.5x1.6x1.6mm,-,-"	SNA
FT302	3301-001145	CORE-FERRITE BEAD	"AB,4.5x1.6x1.6mm,-,-"	SNA
FT303	3301-001145	CORE-FERRITE BEAD	"AB,4.5x1.6x1.6mm,-,-"	SNA
FT304	3301-001145	CORE-FERRITE BEAD	"AB,4.5x1.6x1.6mm,-,-"	SNA
FT305	3301-001145	CORE-FERRITE BEAD	"AB,4.5x1.6x1.6mm,-,-"	SNA
FT306	3301-001145	CORE-FERRITE BEAD	"AB,4.5x1.6x1.6mm,-,-"	SNA
FT307	3301-001145	CORE-FERRITE BEAD	"AB,4.5x1.6x1.6mm,-,-"	SNA
FT308	3301-001145	CORE-FERRITE BEAD	"AB,4.5x1.6x1.6mm,-,-"	SNA
FT309	2901-001114	FILTER-EMI SMD	"25VDC,2.0ADC,-,100nF,3.2x1.6x1"	
FT310	2901-001114	FILTER-EMI SMD	"25VDC,2.0ADC,-,100nF,3.2x1.6x1"	
FT311	2901-001114	FILTER-EMI SMD	"25VDC,2.0ADC,-,100nF,3.2x1.6x1"	
FT312	2901-001114	FILTER-EMI SMD	"25VDC,2.0ADC,-,100nF,3.2x1.6x1"	
FT313	2901-001114	FILTER-EMI SMD	"25VDC,2.0ADC,-,100nF,3.2x1.6x1"	
FT400	2901-001114	FILTER-EMI SMD	"25VDC,2.0ADC,-,100nF,3.2x1.6x1"	
FT401	2901-001114	FILTER-EMI SMD	"25VDC,2.0ADC,-,100nF,3.2x1.6x1"	
FT402	2901-001114	FILTER-EMI SMD	"25VDC,2.0ADC,-,100nF,3.2x1.6x1"	
FT403	2901-001114	FILTER-EMI SMD	"25VDC,2.0ADC,-,100nF,3.2x1.6x1"	
FT404	2901-001114	FILTER-EMI SMD	"25VDC,2.0ADC,-,100nF,3.2x1.6x1"	
FT405	2901-001114	FILTER-EMI SMD	"25VDC,2.0ADC,-,100nF,3.2x1.6x1"	
FT500	2901-001114	FILTER-EMI SMD	"25VDC,2.0ADC,-,100nF,3.2x1.6x1"	
FT501	2901-001114	FILTER-EMI SMD	"25VDC,2.0ADC,-,100nF,3.2x1.6x1"	
IC100	0803-000117	IC-TTL	"74F14,INVERTER,SOP,14P,150MIL,"	
IC103	1103-001164	IC-EEPROM	"24LC21A,128X8BIT,SOP,8P,150MIL,-,5V,10%,PLASTIC,0 TO +70C,100UA,CMOS,TP"	
IC104	0803-000106	IC-TTL	"74F132,TRIGGER,SOP,14P,150MIL,"	
IC107	1204-001551	IC-VIDEO SYSTEM	"GS1881,SOIC,8P,150MIL,PLASTIC,13.2V,-,OTO+70C,TP,VIDEO SYNC SEPARATOR"	
IC108	0801-002171	IC-CMOS LOGIC	"74LCX125,BUS BUFFER,SOP,14P,15"	
IC200	1203-001801	IC-POS.FIXED REG.	"3300,SOT-23,6P,70MIL,PLASTIC,3.3V,-,55TO+125C,50MA,-,TP"	
IC201	1002-001204	IC-A/D CONVERTER	"AD9884AKS-140,8BIT,QFP,128P,-,±0.5LSB,TR,CMOS,PLASTIC,4V,0to+70C,570mW,Flat Pan"	
IC300	1203-001448	IC-POS.FIXED REG.	"2596,TO-263,5P,-,PLASTIC,4.750"	

Loc. No.	Code No.	Description	Specification	Remarks
IC302	1006-001130	IC-LINE TRANSCEIVER	"150,QFP,100P,-,-,TR,PLASTIC,-0"	SNA
IC303	1203-001447	IC-POSIFIXED REG.	"2596,TO-263,5P,-,PLASTIC,3.135"	
IC400	BN09-00001A	IC-OSD PROCESSOR	"LCD,MTV121P-31,16P,-"	
IC401	1003-001349	IC-LCD CONTROLLER	"gmZ4S,BGA,292P,1063MIL,-,-,TR,PLASTIC,-0to+70C,-2.4V,-"	
IC402	1105-001165	IC-DRAM	"416S1020,512Kx16BITx2,TSOP,50P"	
IC403	1105-001165	IC-DRAM	"416S1020,512Kx16BITx2,TSOP,50P"	
IC404	1105-001165	IC-DRAM	"416S1020,512Kx16BITx2,TSOP,50P"	
IC500	0903-001194	IC-MICROCONTROLLER	"3P863,8Bit,SDIP,42P,600MIL,12MHz,ST,CMOS,PLASTIC,5V,-40to+85C,1040BYTE,48KBYTE"	
IC501	1103-001163	IC-EEPROM	"S524C80D41,512x8Bit,SOP,8P,150MIL,10mS,5V,10%,PLASTIC,-25to+70C,10uA,CMOS,TP"	
IC502	1203-001109	IC-VOL. DETECTOR	"7045,SOT-89,3P,-,PLASTIC,4.3/4"	
L200	2703-001334	INDUCTOR-SMD	"1.5uH,10%,2x1.25x0.85mm"	
L201	2703-001070	INDUCTOR-SMD	"100uH,10%,4.5x3.2x3.2mm"	
L202	2703-001334	INDUCTOR-SMD	"1.5uH,10%,2x1.25x0.85mm"	
L203	2703-001334	INDUCTOR-SMD	"1.5uH,10%,2x1.25x0.85mm"	
L204	2703-001334	INDUCTOR-SMD	"1.5uH,10%,2x1.25x0.85mm"	
L205	2703-001070	INDUCTOR-SMD	"100uH,10%,4.5x3.2x3.2mm"	
L206	2703-001778	INDUCTOR-SMD	"3.3UH,20%,3.2X2.5X2.2MM"	
L207	2703-001070	INDUCTOR-SMD	"100uH,10%,4.5x3.2x3.2mm"	
L300	2703-001778	INDUCTOR-SMD	"3.3UH,20%,3.2X2.5X2.2MM"	
L301	2703-001778	INDUCTOR-SMD	"3.3UH,20%,3.2X2.5X2.2MM"	
L302	2703-001334	INDUCTOR-SMD	"1.5uH,10%,2x1.25x0.85mm"	
L303	2703-001778	INDUCTOR-SMD	"3.3UH,20%,3.2X2.5X2.2MM"	
L304	BN27-20001C	COIL-SMD		
L306	2703-001778	INDUCTOR-SMD	"3.3UH,20%,3.2X2.5X2.2MM"	
L307	2703-001334	INDUCTOR-SMD	"1.5uH,10%,2x1.25x0.85mm"	
L308	BN27-20001A	COIL-CHOKE		
L309	2703-001334	INDUCTOR-SMD	"1.5uH,10%,2x1.25x0.85mm"	
L310	2703-001778	INDUCTOR-SMD	"3.3UH,20%,3.2X2.5X2.2MM"	
L311	2703-001334	INDUCTOR-SMD	"1.5uH,10%,2x1.25x0.85mm"	
L312	2703-001334	INDUCTOR-SMD	"1.5uH,10%,2x1.25x0.85mm"	
L313	2703-001334	INDUCTOR-SMD	"1.5uH,10%,2x1.25x0.85mm"	
L314	2703-001334	INDUCTOR-SMD	"1.5uH,10%,2x1.25x0.85mm"	
L315	2703-001334	INDUCTOR-SMD	"1.5uH,10%,2x1.25x0.85mm"	
L316	2703-001334	INDUCTOR-SMD	"1.5uH,10%,2x1.25x0.85mm"	
L317	2703-001778	INDUCTOR-SMD	"3.3UH,20%,3.2X2.5X2.2MM"	
L318	2703-001334	INDUCTOR-SMD	"1.5uH,10%,2x1.25x0.85mm"	
L319	2703-001334	INDUCTOR-SMD	"1.5uH,10%,2x1.25x0.85mm"	
L320	2703-001334	INDUCTOR-SMD	"1.5uH,10%,2x1.25x0.85mm"	
L321	2703-001334	INDUCTOR-SMD	"1.5uH,10%,2x1.25x0.85mm"	
L322	2703-001334	INDUCTOR-SMD	"1.5uH,10%,2x1.25x0.85mm"	
L323	2703-001334	INDUCTOR-SMD	"1.5uH,10%,2x1.25x0.85mm"	
L324	2703-001334	INDUCTOR-SMD	"1.5uH,10%,2x1.25x0.85mm"	
L325	2703-001334	INDUCTOR-SMD	"1.5uH,10%,2x1.25x0.85mm"	
L326	2703-001334	INDUCTOR-SMD	"1.5uH,10%,2x1.25x0.85mm"	
L327	2703-001334	INDUCTOR-SMD	"1.5uH,10%,2x1.25x0.85mm"	
L328	2703-001334	INDUCTOR-SMD	"1.5uH,10%,2x1.25x0.85mm"	
L329	2703-001778	INDUCTOR-SMD	"3.3UH,20%,3.2X2.5X2.2MM"	

## 7 Electrical Parts List

Loc. No.	Code No.	Description	Specification	Remarks
L330	2703-001334	INDUCTOR-SMD	"1.5uH,10%,2x1.25x0.85mm"	SNA
L331	2703-001334	INDUCTOR-SMD	"1.5uH,10%,2x1.25x0.85mm"	
L332	2703-001778	INDUCTOR-SMD	"3.3UH,20%,3.2X2.5X2.2MM"	
L333	2703-001334	INDUCTOR-SMD	"1.5uH,10%,2x1.25x0.85mm"	
L400	2703-001334	INDUCTOR-SMD	"1.5uH,10%,2x1.25x0.85mm"	
L500	2703-001334	INDUCTOR-SMD	"1.5uH,10%,2x1.25x0.85mm"	
L501	2703-001334	INDUCTOR-SMD	"1.5uH,10%,2x1.25x0.85mm"	
L502	2703-001334	INDUCTOR-SMD	"1.5uH,10%,2x1.25x0.85mm"	
L503	2703-001334	INDUCTOR-SMD	"1.5uH,10%,2x1.25x0.85mm"	
MP1.0	BN41-00056A	PCB MAIN	"CN18AS,PCB,6 Layer,-,1.6T,223*119,-,-,-,-"	
Q300	0501-002080	TR-SMALL SIGNAL	"2SC2412K,NPN,200mW,SC-59,TP,120-270"	
Q301	0501-002080	TR-SMALL SIGNAL	"2SC2412K,NPN,200mW,SC-59,TP,120-270"	
Q302	0501-002080	TR-SMALL SIGNAL	"2SC2412K,NPN,200mW,SC-59,TP,120-270"	
Q500	0501-002080	TR-SMALL SIGNAL	"2SC2412K,NPN,200mW,SC-59,TP,120-270"	
Q501	0501-002080	TR-SMALL SIGNAL	"2SC2412K,NPN,200mW,SC-59,TP,120-270"	
R113	2007-000092	R-CHIP	"15Kohm,5%,1/16W,DA,TP,1608"	
R114	2007-000092	R-CHIP	"15Kohm,5%,1/16W,DA,TP,1608"	
R115	2007-000074	R-CHIP	"100ohm,5%,1/16W,DA,TP,1608"	
R116	2007-000074	R-CHIP	"100ohm,5%,1/16W,DA,TP,1608"	
R117	2007-000074	R-CHIP	"100ohm,5%,1/16W,DA,TP,1608"	
R126	2007-000113	R-CHIP	"33ohm,5%,1/16W,DA,TP,1608"	
R127	2007-000113	R-CHIP	"33ohm,5%,1/16W,DA,TP,1608"	
R128	2007-000113	R-CHIP	"33ohm,5%,1/16W,DA,TP,1608"	
R129	2007-001167	R-CHIP	"75ohm,5%,1/16W,DA,TP,1608"	
R130	2007-001167	R-CHIP	"75ohm,5%,1/16W,DA,TP,1608"	
R131	2007-001167	R-CHIP	"75ohm,5%,1/16W,DA,TP,1608"	
R132	2007-000074	R-CHIP	"100ohm,5%,1/16W,DA,TP,1608"	
R133	2007-000074	R-CHIP	"100ohm,5%,1/16W,DA,TP,1608"	
R135	2007-000074	R-CHIP	"100ohm,5%,1/16W,DA,TP,1608"	
R136	2007-000080	R-CHIP	"2Kohm,5%,1/16W,DA,TP,1608"	
R137	2007-000074	R-CHIP	"100ohm,5%,1/16W,DA,TP,1608"	
R139	2007-000080	R-CHIP	"2Kohm,5%,1/16W,DA,TP,1608"	
R147	2007-000116	R-CHIP	"120ohm,5%,1/16W,DA,TP,1608"	
R148	2007-001114	R-CHIP	"680Kohm,5%,1/16W,DA,TP,1608"	
R149	2007-000084	R-CHIP	"4.7Kohm,5%,1/16W,DA,TP,1608"	
R151	2007-000070	R-CHIP	"0ohm,5%,1/16W,DA,TP,1608"	
R153	2007-000070	R-CHIP	"0ohm,5%,1/16W,DA,TP,1608"	
R154	2007-000070	R-CHIP	"0ohm,5%,1/16W,DA,TP,1608"	
R155	2007-000070	R-CHIP	"0ohm,5%,1/16W,DA,TP,1608"	
R156	2007-000070	R-CHIP	"0ohm,5%,1/16W,DA,TP,1608"	
R157	2007-000070	R-CHIP	"0ohm,5%,1/16W,DA,TP,1608"	
R158	2007-000113	R-CHIP	"33ohm,5%,1/16W,DA,TP,1608"	
R159	2007-000070	R-CHIP	"0ohm,5%,1/16W,DA,TP,1608"	
R160	2007-000070	R-CHIP	"0ohm,5%,1/16W,DA,TP,1608"	
R208	2007-000102	R-CHIP	"100Kohm,5%,1/16W,DA,TP,1608"	
R209	2007-000239	R-CHIP	"1.5Kohm,1%,1/16W,DA,TP,1608"	
R210	2007-000084	R-CHIP	"4.7Kohm,5%,1/16W,DA,TP,1608"	

Loc. No.	Code No.	Description	Specification	Remarks
R211	2007-000084	R-CHIP	"4.7Kohm,5%,1/16W,DA,TP,1608"	
R212	2007-000071	R-CHIP	"22ohm,5%,1/16W,DA,TP,1608"	
R213	2007-000071	R-CHIP	"22ohm,5%,1/16W,DA,TP,1608"	
R214	2007-000071	R-CHIP	"22ohm,5%,1/16W,DA,TP,1608"	
R215	2007-000071	R-CHIP	"22ohm,5%,1/16W,DA,TP,1608"	
R216	2007-000071	R-CHIP	"22ohm,5%,1/16W,DA,TP,1608"	
R217	2007-000090	R-CHIP	"10Kohm,5%,1/16W,DA,TP,1608"	
R218	2007-000090	R-CHIP	"10Kohm,5%,1/16W,DA,TP,1608"	
R219	2007-000090	R-CHIP	"10Kohm,5%,1/16W,DA,TP,1608"	
R220	2007-000090	R-CHIP	"10Kohm,5%,1/16W,DA,TP,1608"	
R221	2007-000071	R-CHIP	"22ohm,5%,1/16W,DA,TP,1608"	
R222	2007-000070	R-CHIP	"0ohm,5%,1/16W,DA,TP,1608"	
R300	2007-000102	R-CHIP	"100Kohm,5%,1/16W,DA,TP,1608"	
R301	2007-000084	R-CHIP	"4.7Kohm,5%,1/16W,DA,TP,1608"	
R302	2007-000102	R-CHIP	"100Kohm,5%,1/16W,DA,TP,1608"	
R303	2007-000090	R-CHIP	"10Kohm,5%,1/16W,DA,TP,1608"	
R304	2007-000090	R-CHIP	"10Kohm,5%,1/16W,DA,TP,1608"	
R305	2007-000090	R-CHIP	"10Kohm,5%,1/16W,DA,TP,1608"	
R306	2007-000084	R-CHIP	"4.7Kohm,5%,1/16W,DA,TP,1608"	
R307	2007-000070	R-CHIP	"0ohm,5%,1/16W,DA,TP,1608"	
R308	2007-000090	R-CHIP	"10Kohm,5%,1/16W,DA,TP,1608"	
R309	2007-000102	R-CHIP	"100Kohm,5%,1/16W,DA,TP,1608"	
R310	2007-000090	R-CHIP	"10Kohm,5%,1/16W,DA,TP,1608"	
R313	2007-000120	R-CHIP	"680ohm,5%,1/16W,DA,TP,1608"	
R34	2007-000090	R-CHIP	"10Kohm,5%,1/16W,DA,TP,1608"	
R401	2007-000071	R-CHIP	"22ohm,5%,1/16W,DA,TP,1608"	
R402	2007-000120	R-CHIP	"680ohm,5%,1/16W,DA,TP,1608"	
R403	2007-000090	R-CHIP	"10Kohm,5%,1/16W,DA,TP,1608"	
R404	2007-000071	R-CHIP	"22ohm,5%,1/16W,DA,TP,1608"	
R405	2007-000071	R-CHIP	"22ohm,5%,1/16W,DA,TP,1608"	
R406	2007-000071	R-CHIP	"22ohm,5%,1/16W,DA,TP,1608"	
R409	2007-000070	R-CHIP	"0ohm,5%,1/16W,DA,TP,1608"	
R410	2007-000070	R-CHIP	"0ohm,5%,1/16W,DA,TP,1608"	
R411	2007-000070	R-CHIP	"0ohm,5%,1/16W,DA,TP,1608"	
R421	2007-000070	R-CHIP	"0ohm,5%,1/16W,DA,TP,1608"	
R422	2007-000070	R-CHIP	"0ohm,5%,1/16W,DA,TP,1608"	
R423	2007-000070	R-CHIP	"0ohm,5%,1/16W,DA,TP,1608"	
R427	2007-000070	R-CHIP	"0ohm,5%,1/16W,DA,TP,1608"	
R431	2007-000070	R-CHIP	"0ohm,5%,1/16W,DA,TP,1608"	
R433	2007-000070	R-CHIP	"0ohm,5%,1/16W,DA,TP,1608"	
R434	2007-000070	R-CHIP	"0ohm,5%,1/16W,DA,TP,1608"	
R435	2007-000070	R-CHIP	"0ohm,5%,1/16W,DA,TP,1608"	
R436	2007-000070	R-CHIP	"0ohm,5%,1/16W,DA,TP,1608"	
R437	2007-000070	R-CHIP	"0ohm,5%,1/16W,DA,TP,1608"	
R438	2007-000070	R-CHIP	"0ohm,5%,1/16W,DA,TP,1608"	
R439	2007-000070	R-CHIP	"0ohm,5%,1/16W,DA,TP,1608"	
R440	2007-000070	R-CHIP	"0ohm,5%,1/16W,DA,TP,1608"	

## 7 Electrical Parts List

Loc. No.	Code No.	Description	Specification	Remarks
R441	2007-000090	R-CHIP	"10Kohm,5%,1/16W,DA,TP,1608"	
R444	2007-000090	R-CHIP	"10Kohm,5%,1/16W,DA,TP,1608"	
R445	2007-000090	R-CHIP	"10Kohm,5%,1/16W,DA,TP,1608"	
R448	2007-000090	R-CHIP	"10Kohm,5%,1/16W,DA,TP,1608"	
R449	2007-000090	R-CHIP	"10Kohm,5%,1/16W,DA,TP,1608"	
R452	2007-000090	R-CHIP	"10Kohm,5%,1/16W,DA,TP,1608"	
R453	2007-000090	R-CHIP	"10Kohm,5%,1/16W,DA,TP,1608"	
R456	2007-000090	R-CHIP	"10Kohm,5%,1/16W,DA,TP,1608"	
R457	2007-000090	R-CHIP	"10Kohm,5%,1/16W,DA,TP,1608"	
R460	2007-000090	R-CHIP	"10Kohm,5%,1/16W,DA,TP,1608"	
R462	2007-000090	R-CHIP	"10Kohm,5%,1/16W,DA,TP,1608"	
R464	2007-000090	R-CHIP	"10Kohm,5%,1/16W,DA,TP,1608"	
R466	2007-000090	R-CHIP	"10Kohm,5%,1/16W,DA,TP,1608"	
R468	2007-000090	R-CHIP	"10Kohm,5%,1/16W,DA,TP,1608"	
R469	2007-000070	R-CHIP	"0ohm,5%,1/16W,DA,TP,1608"	
R470	2007-000070	R-CHIP	"0ohm,5%,1/16W,DA,TP,1608"	
R471	2007-000070	R-CHIP	"0ohm,5%,1/16W,DA,TP,1608"	
R472	2007-000070	R-CHIP	"0ohm,5%,1/16W,DA,TP,1608"	
R473	2007-000070	R-CHIP	"0ohm,5%,1/16W,DA,TP,1608"	
R474	2007-000074	R-CHIP	"100ohm,5%,1/16W,DA,TP,1608"	
R475	2007-000074	R-CHIP	"100ohm,5%,1/16W,DA,TP,1608"	
R476	2007-000084	R-CHIP	"4.7Kohm,5%,1/16W,DA,TP,1608"	
R477	2007-000084	R-CHIP	"4.7Kohm,5%,1/16W,DA,TP,1608"	
R478	2007-000084	R-CHIP	"4.7Kohm,5%,1/16W,DA,TP,1608"	
R479	2007-000090	R-CHIP	"10Kohm,5%,1/16W,DA,TP,1608"	
R501	2007-000076	R-CHIP	"330ohm,5%,1/16W,DA,TP,1608"	
R502	2007-001002	R-CHIP	"510ohm,5%,1/16W,DA,TP,1608"	
R503	2007-001002	R-CHIP	"510ohm,5%,1/16W,DA,TP,1608"	
R504	2007-001002	R-CHIP	"510ohm,5%,1/16W,DA,TP,1608"	
R506	2007-000084	R-CHIP	"4.7Kohm,5%,1/16W,DA,TP,1608"	
R507	2007-000084	R-CHIP	"4.7Kohm,5%,1/16W,DA,TP,1608"	
R508	2007-000084	R-CHIP	"4.7Kohm,5%,1/16W,DA,TP,1608"	
R509	2007-000084	R-CHIP	"4.7Kohm,5%,1/16W,DA,TP,1608"	
R510	2007-000084	R-CHIP	"4.7Kohm,5%,1/16W,DA,TP,1608"	
R511	2007-000076	R-CHIP	"330ohm,5%,1/16W,DA,TP,1608"	
R512	2007-000076	R-CHIP	"330ohm,5%,1/16W,DA,TP,1608"	
R513	2007-001002	R-CHIP	"510ohm,5%,1/16W,DA,TP,1608"	
R514	2007-000084	R-CHIP	"4.7Kohm,5%,1/16W,DA,TP,1608"	
R515	2007-000084	R-CHIP	"4.7Kohm,5%,1/16W,DA,TP,1608"	
R516	2007-000084	R-CHIP	"4.7Kohm,5%,1/16W,DA,TP,1608"	
R517	2007-000084	R-CHIP	"4.7Kohm,5%,1/16W,DA,TP,1608"	
R518	2007-000084	R-CHIP	"4.7Kohm,5%,1/16W,DA,TP,1608"	
R519	2007-000074	R-CHIP	"100ohm,5%,1/16W,DA,TP,1608"	
R520	2007-000074	R-CHIP	"100ohm,5%,1/16W,DA,TP,1608"	
R521	2007-000074	R-CHIP	"100ohm,5%,1/16W,DA,TP,1608"	
R522	2007-000078	R-CHIP	"1Kohm,5%,1/16W,DA,TP,1608"	
R523	2007-000074	R-CHIP	"100ohm,5%,1/16W,DA,TP,1608"	

Loc. No.	Code No.	Description	Specification	Remarks
R524	2007-000074	R-CHIP	"100ohm,5%,1/16W,DA,TP,1608"	
R526	2007-000077	R-CHIP	"470ohm,5%,1/16W,DA,TP,1608"	
R527	2007-000074	R-CHIP	"100ohm,5%,1/16W,DA,TP,1608"	
R528	2007-000074	R-CHIP	"100ohm,5%,1/16W,DA,TP,1608"	
R529	2007-000078	R-CHIP	"1Kohm,5%,1/16W,DA,TP,1608"	
R530	2007-000074	R-CHIP	"100ohm,5%,1/16W,DA,TP,1608"	
R531	2007-000070	R-CHIP	"0ohm,5%,1/16W,DA,TP,1608"	
R532	2007-000074	R-CHIP	"100ohm,5%,1/16W,DA,TP,1608"	
R533	2007-000074	R-CHIP	"100ohm,5%,1/16W,DA,TP,1608"	
R534	2007-000074	R-CHIP	"100ohm,5%,1/16W,DA,TP,1608"	
R535	2007-000074	R-CHIP	"100ohm,5%,1/16W,DA,TP,1608"	
R536	2007-000074	R-CHIP	"100ohm,5%,1/16W,DA,TP,1608"	
R537	2007-000074	R-CHIP	"100ohm,5%,1/16W,DA,TP,1608"	
R538	2007-000074	R-CHIP	"100ohm,5%,1/16W,DA,TP,1608"	
R539	2007-000074	R-CHIP	"100ohm,5%,1/16W,DA,TP,1608"	
R540	2007-000074	R-CHIP	"100ohm,5%,1/16W,DA,TP,1608"	
R541	2007-000074	R-CHIP	"100ohm,5%,1/16W,DA,TP,1608"	
R542	2007-000074	R-CHIP	"100ohm,5%,1/16W,DA,TP,1608"	
R543	2007-000074	R-CHIP	"100ohm,5%,1/16W,DA,TP,1608"	
R544	2007-000074	R-CHIP	"100ohm,5%,1/16W,DA,TP,1608"	
R545	2007-000074	R-CHIP	"100ohm,5%,1/16W,DA,TP,1608"	
R546	2007-000074	R-CHIP	"100ohm,5%,1/16W,DA,TP,1608"	
R547	2007-000074	R-CHIP	"100ohm,5%,1/16W,DA,TP,1608"	
R548	2007-000074	R-CHIP	"100ohm,5%,1/16W,DA,TP,1608"	
R549	2007-000074	R-CHIP	"100ohm,5%,1/16W,DA,TP,1608"	
R550	2007-000074	R-CHIP	"100ohm,5%,1/16W,DA,TP,1608"	
R551	2007-000074	R-CHIP	"100ohm,5%,1/16W,DA,TP,1608"	
R552	2007-000074	R-CHIP	"100ohm,5%,1/16W,DA,TP,1608"	
R553	2007-000074	R-CHIP	"100ohm,5%,1/16W,DA,TP,1608"	
R554	2007-000074	R-CHIP	"100ohm,5%,1/16W,DA,TP,1608"	
R555	2007-000074	R-CHIP	"100ohm,5%,1/16W,DA,TP,1608"	
R556	2007-000084	R-CHIP	"4.7Kohm,5%,1/16W,DA,TP,1608"	
R557	2007-000084	R-CHIP	"4.7Kohm,5%,1/16W,DA,TP,1608"	
R560	2007-000109	R-CHIP	"1Mohm,5%,1/16W,DA,TP,1608"	
R561	2007-000075	R-CHIP	"220ohm,5%,1/16W,DA,TP,1608"	
RA200	2011-000002	R-NETWORK	"22ohm,5%,63mW,L,CHIP,8P,TP"	
RA201	2011-000002	R-NETWORK	"22ohm,5%,63mW,L,CHIP,8P,TP"	
RA202	2011-000002	R-NETWORK	"22ohm,5%,63mW,L,CHIP,8P,TP"	
RA203	2011-000002	R-NETWORK	"22ohm,5%,63mW,L,CHIP,8P,TP"	
RA204	2011-000002	R-NETWORK	"22ohm,5%,63mW,L,CHIP,8P,TP"	
RA205	2011-000002	R-NETWORK	"22ohm,5%,63mW,L,CHIP,8P,TP"	
RA206	2011-000002	R-NETWORK	"22ohm,5%,63mW,L,CHIP,8P,TP"	
RA207	2011-000002	R-NETWORK	"22ohm,5%,63mW,L,CHIP,8P,TP"	
RA208	2011-000002	R-NETWORK	"22ohm,5%,63mW,L,CHIP,8P,TP"	
RA209	2011-000002	R-NETWORK	"22ohm,5%,63mW,L,CHIP,8P,TP"	
RA210	2011-000002	R-NETWORK	"22ohm,5%,63mW,L,CHIP,8P,TP"	
RA211	2011-000002	R-NETWORK	"22ohm,5%,63mW,L,CHIP,8P,TP"	



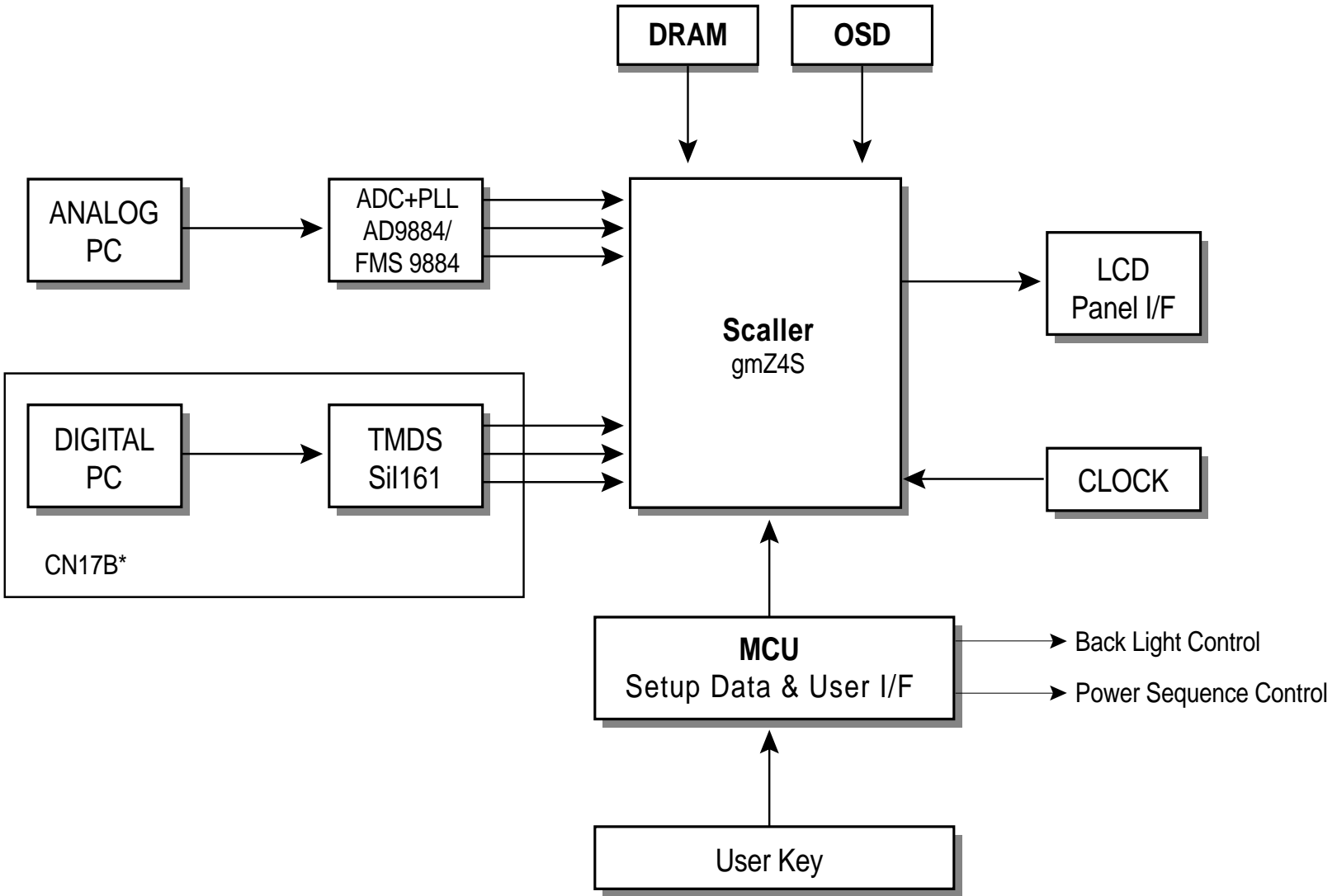
## 7 Electrical Parts List

Loc. No.	Code No.	Description	Specification	Remarks
RA400	2011-000002	R-NETWORK	"22ohm,5%,63mW,L,CHIP,8P,TP"	
RA401	2011-000002	R-NETWORK	"22ohm,5%,63mW,L,CHIP,8P,TP"	
RA402	2011-000002	R-NETWORK	"22ohm,5%,63mW,L,CHIP,8P,TP"	
RA403	2011-000002	R-NETWORK	"22ohm,5%,63mW,L,CHIP,8P,TP"	
RA404	2011-000002	R-NETWORK	"22ohm,5%,63mW,L,CHIP,8P,TP"	
RA405	2011-000002	R-NETWORK	"22ohm,5%,63mW,L,CHIP,8P,TP"	
RA406	2011-000002	R-NETWORK	"22ohm,5%,63mW,L,CHIP,8P,TP"	
RA407	2011-000002	R-NETWORK	"22ohm,5%,63mW,L,CHIP,8P,TP"	
RA408	2011-000002	R-NETWORK	"22ohm,5%,63mW,L,CHIP,8P,TP"	
RA409	2011-000002	R-NETWORK	"22ohm,5%,63mW,L,CHIP,8P,TP"	
RA410	2011-000002	R-NETWORK	"22ohm,5%,63mW,L,CHIP,8P,TP"	
RA411	2011-000002	R-NETWORK	"22ohm,5%,63mW,L,CHIP,8P,TP"	
X400	2801-003981	CRYSTAL-SMD	"50MHz,30ppm,28-ABX,20pF,80ohm,TP"	
X500	2801-003773	CRYSTAL-SMD	"12MHZ,30PPM,28-AAN,20PF,50OHM,TP"	
ZD103	0403-000579	DIODE-ZENER	"BZX84C5V1,5.1V,5%,200mW,SOT-23"	
ZD104	0403-000579	DIODE-ZENER	"BZX84C5V1,5.1V,5%,200mW,SOT-23"	
ZD500	0403-000579	DIODE-ZENER	"BZX84C5V1,5.1V,5%,200mW,SOT-23"	

### 7-6 Others

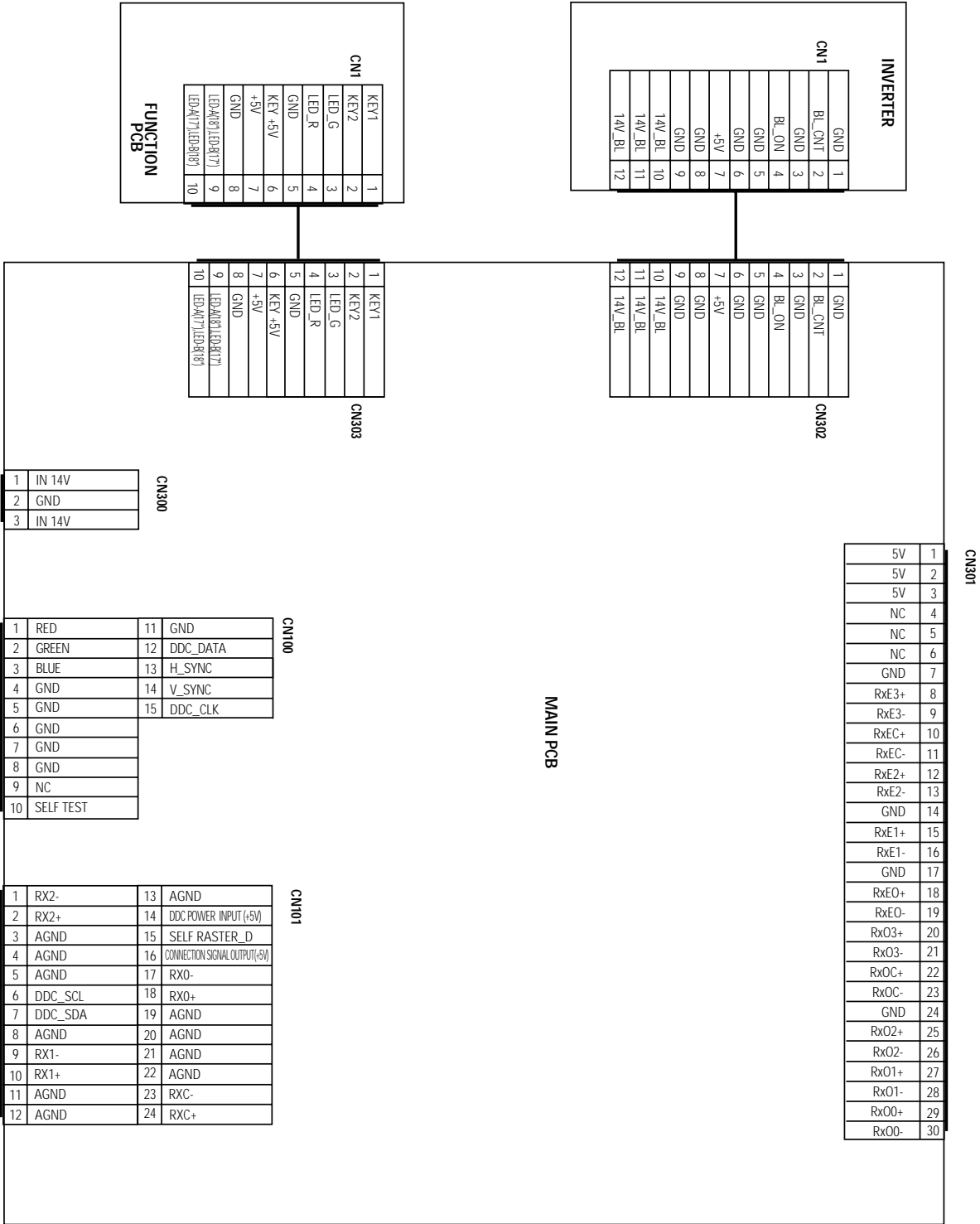
Loc. No.	Code No.	Description	Specification	Remarks
LCD	BN07-00019A	LCD	"LTM181E3-132,LSA,8BIT,410*335*25*2500,16.7M,30,0.2805*0.2805,0-40,3.3,AMLCD/TMDS"	
PROCESS PBA UNIT	BN94-00052B	ASSY PCB-ET(E3)	"CN18AS(ANALOG),-, -, -"	
B/D ASS'Y CODE	BN98-00020B	ASSY PCB/MAIN-ET(E3)	"CN18AS(ANALOG),-, -, -"	
S/CABLE	BN39-00114A	CBF-SIGNAL	"NL15MO, 15P/15P, 2990, 1830MM, UL2990, IVORY, D-SUB/MALE, -, -, -"	
P/CORD	BH39-10007A	CBF POWER CORD	"DET,250V/6A,H05VV-F,LP-34A/KKP"	
ADAPTER	BN44-00024A	ADAPTER	"90-264VAC,AD-4214(O)S, -, 14VDC,3A/14VDC, -, -"	
INVERTER	BN44-00029A	INVERTER	"SIC1801,4LAMP,SIC1801,18.1,14VDC,160*45*17"	

## 8 Block Diagram



## Memo

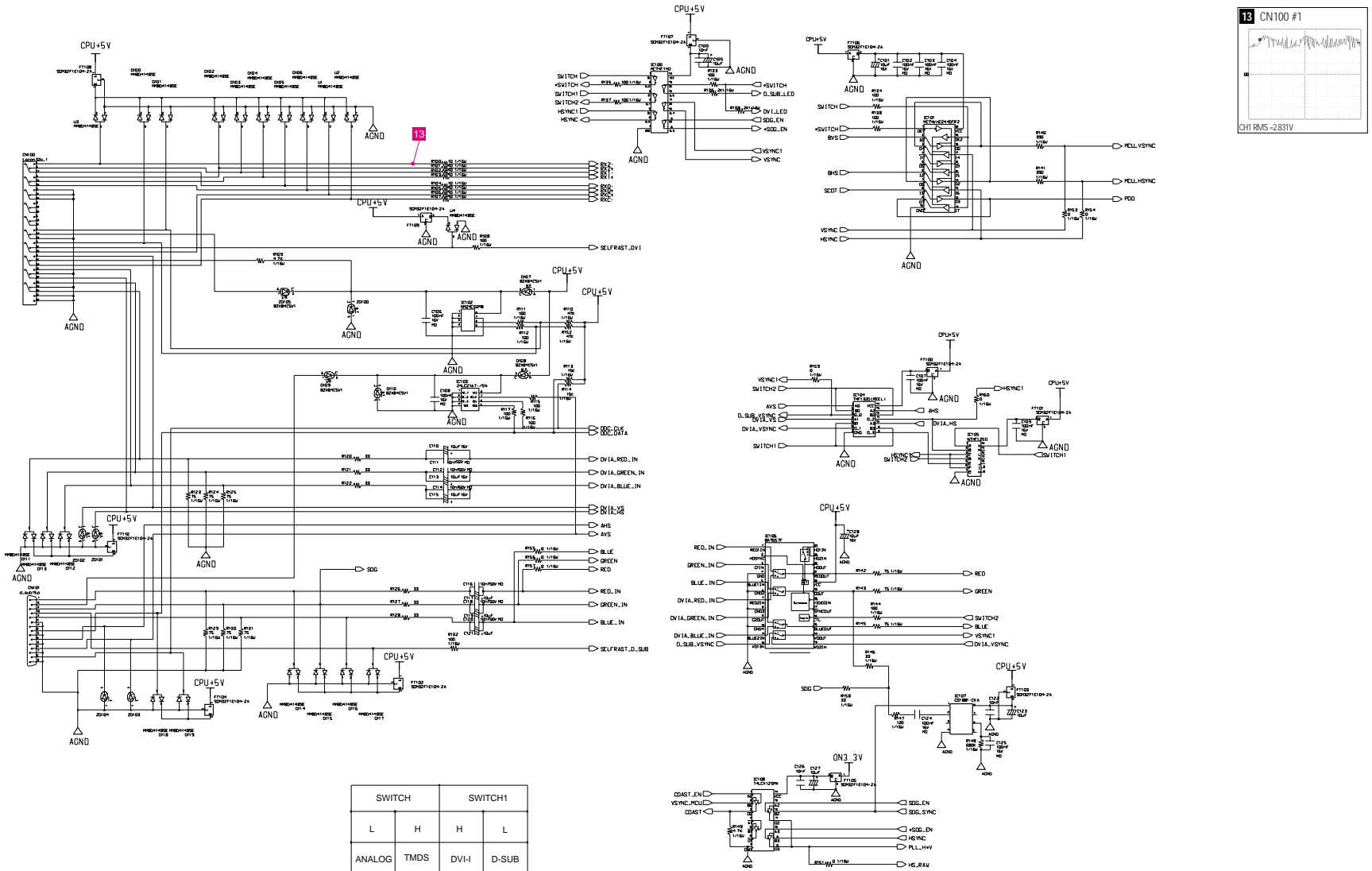
9 Wiring Diagram



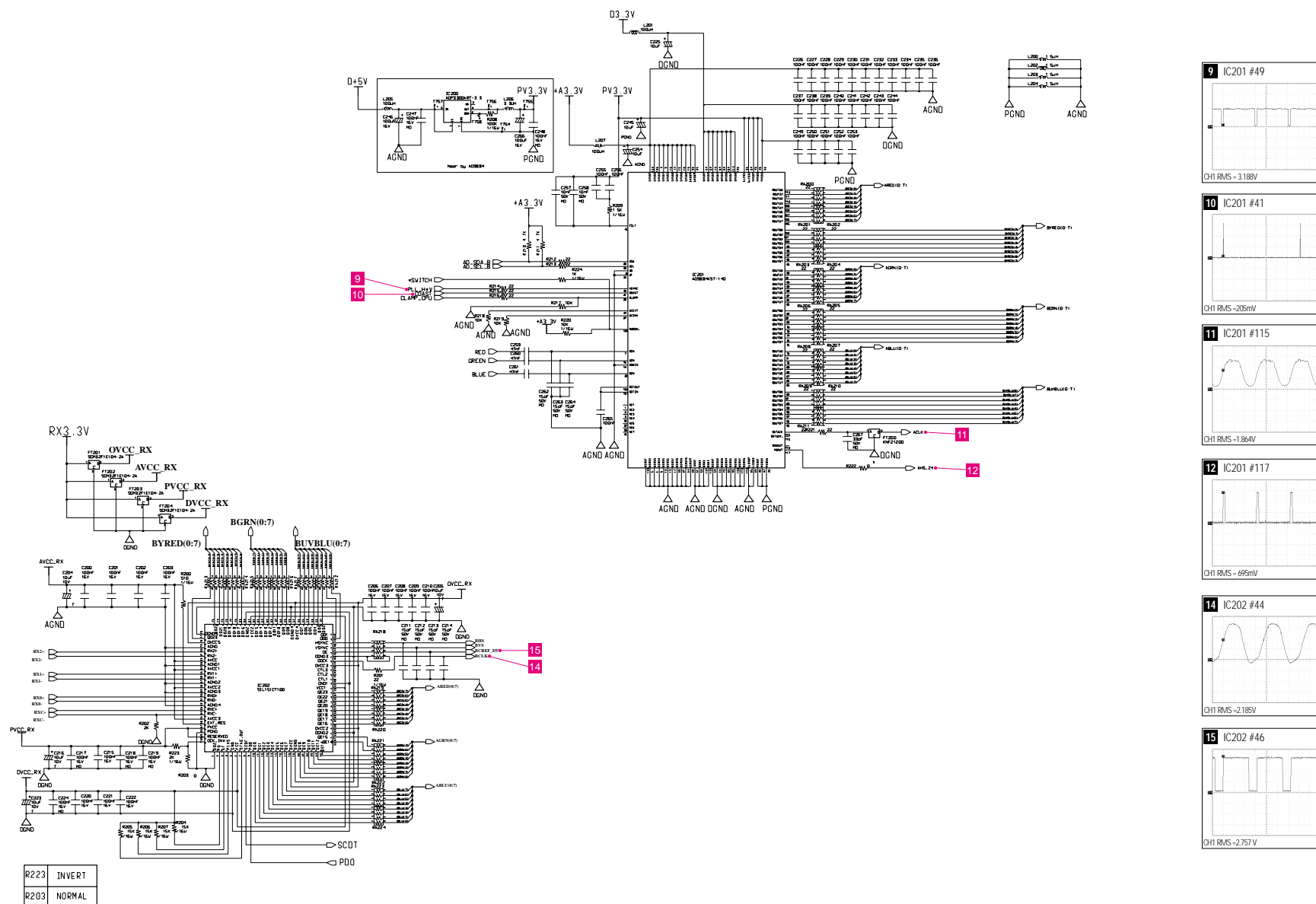
Memo

## 10 Schematic Diagrams

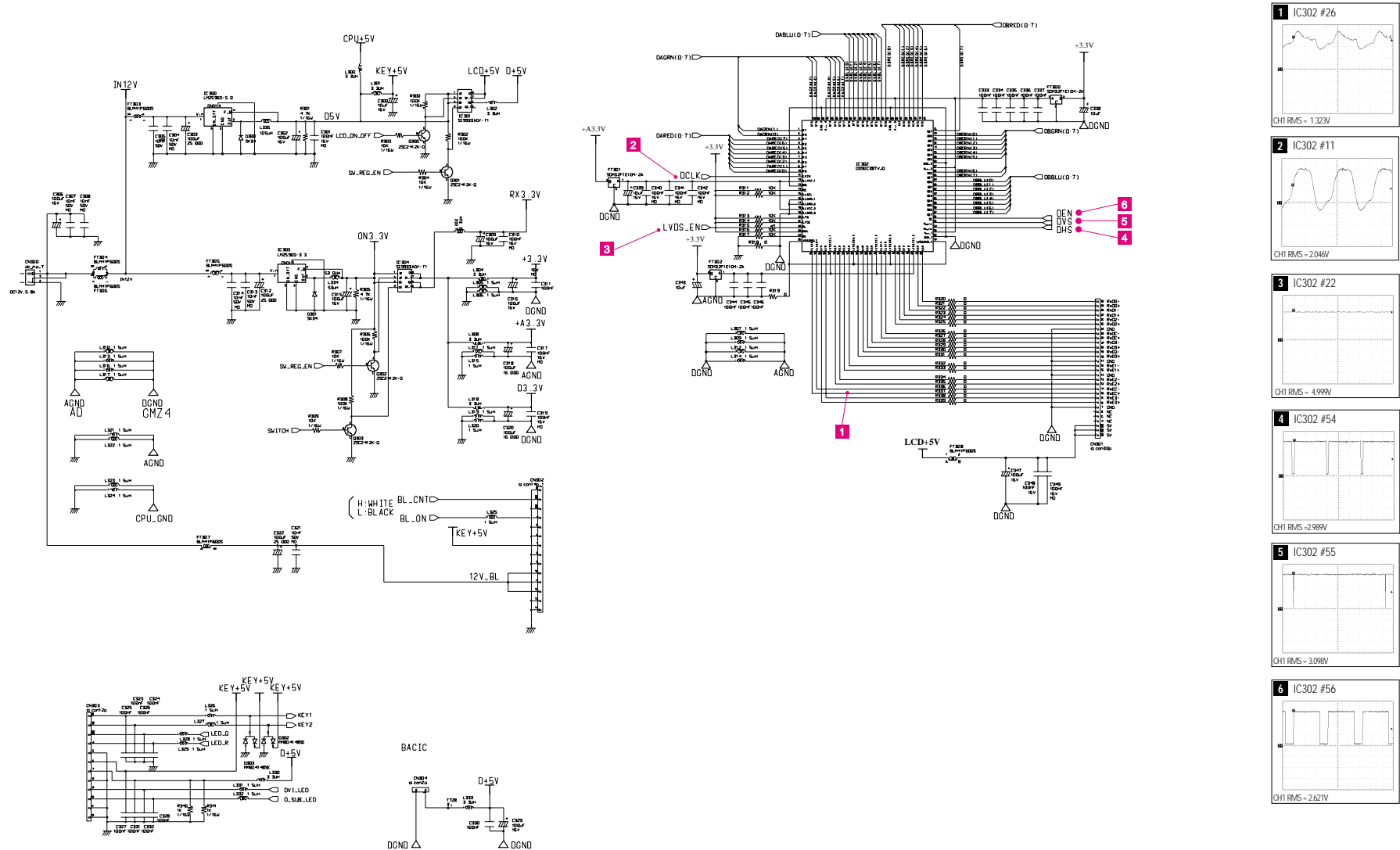
### 10-1 15P D-Sub & DVI-I Input Part Schematic Diagram



## 10-2 Analog to Digital Converter &amp; Digital Receiver Part Schematic Diagram



10-3 Power & Panel Interface Part Schematic Diagram (CN17A\* / CN17B\*)





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10-4